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• **The 85th Annual Complete Garden Book** •

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Spring of **1939**



New Iris—The Lovely Galatea. Page 44



First Hardy Fuchsia—Fuchsia Magellanica. Page 41



Double Russian Hardy Violet. Page 51
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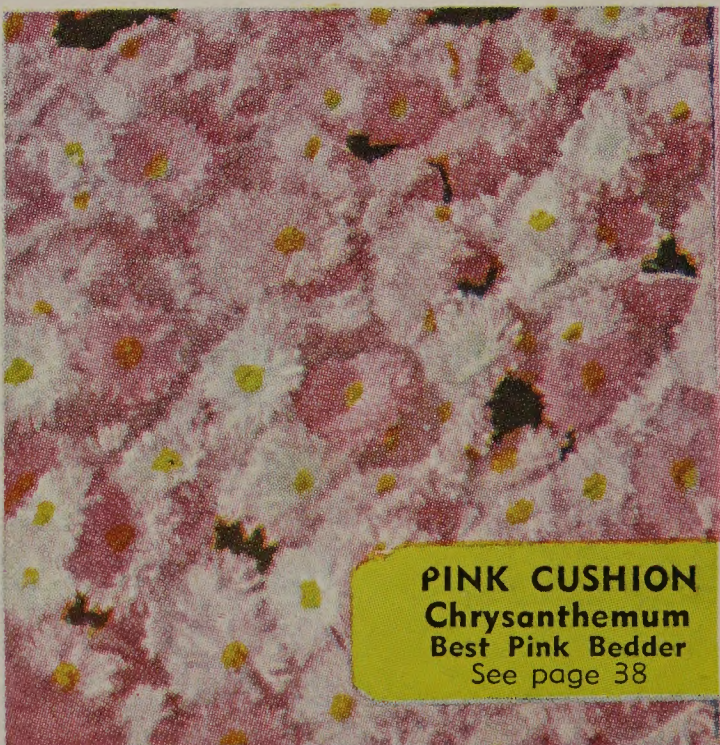
S. & H. Tritoma Pfitzeri. Page 50



Japanese Iris. Page 44
A Set of 9 Distinct Varieties, Postpaid for \$2.50



Choice Hardy Phlox. Page 48



PINK CUSHION
Chrysanthemum
Best Pink Bedder
See page 38



Gaillardia, Portola Hybrids. Page 4

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TERMS

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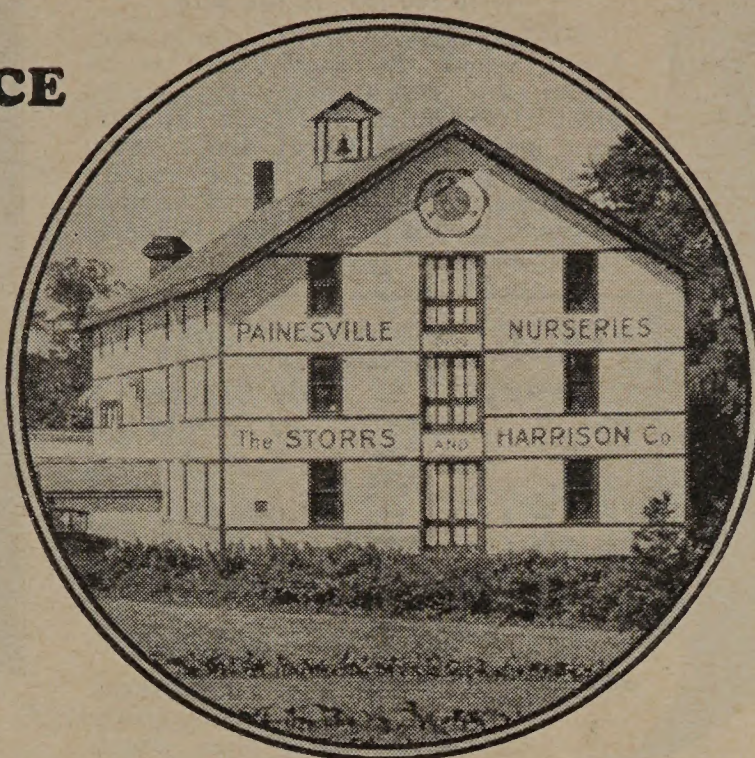
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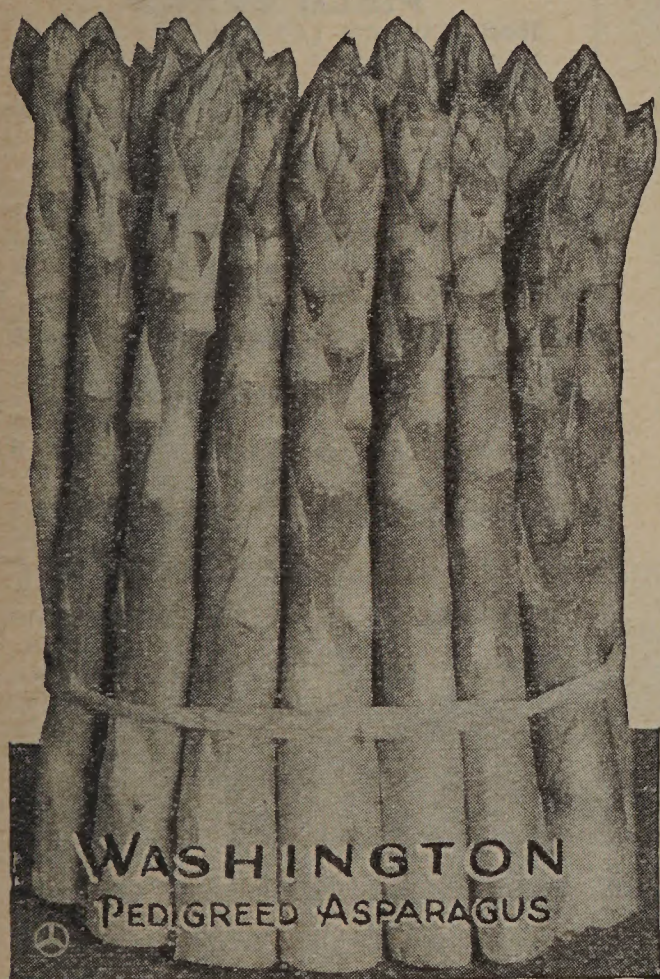
DAYS REQUIRED from seed to harvest, are noted in figures.

DO NOT PLANT SEED TOO DEEP! That is a common fault.

WE CAN GET FOR YOU Any standard item not listed at competitor's price.



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Roots of Asparagus are offered at end of Fruit Department in this catalog.

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If shipped by EXPRESS, DEDUCT from listed mail prices, as follows:

1-2 lb.,	5c
1 lb.,	10c
2 lbs.,	20c
5 lbs.,	25c
10 lbs.,	50c

ARTICHOKE

CULTURE. To obtain globes the first year, the seed should be sown in February or March and kept growing until the weather is suitable to transplant to the open ground. Seed sown in May will not bear globes until the following year. Transplant into rows 3 feet apart, setting the plants 2 feet part in the row. Protect through the winter by mulching and earthing up around the plants.

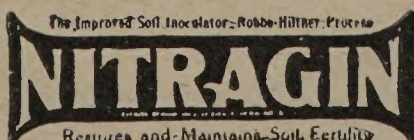
Green Globe. Raised for the young green flower heads, usually boiled or baked and eaten with a butter sauce. Pkt. 10c; ½ oz. 20c; oz. 35c.

ASPARAGUS SEED

CULTURE. Seed of Asparagus should be sown early in the spring, in drills 2 inches deep. When seedlings are 1 or 2 years old, transplant (for the family garden) 12 to 18 inches apart in the row, and cover crowns to a depth of 2 inches. For commercial usage plant in rows 4 to 5 feet apart, placing crowns 8 to 10 inches apart in the row. One ounce to 50 feet of drill.

Mary Washington. Choice wilt-resistant variety of the Washington "Pedigreed" strain. Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.

INOCULATE WITH



Beans (Page 2) Peas (Page 11)

and various other items of seeds accrue great benefit by inoculation of seeds with NITRAGIN. See page 16 for various cultures and prices.

BEANS

1 lb. sows about 100 ft.;
45 to 100 lbs. to the acre

CULTURE. A light loam is best. Plant when the apple tree is in bloom, and repeat every two weeks until within 50 days of frost. In gardens make rows 2 feet apart. Sow seed in proper quantity to ensure one vine to every 2 or 3 inches. Average height of the bush beans is 15 inches.

PRICE OF ALL BEANS (except as noted)

	Postpaid	By Express or Freight Collect:
Pkt.	\$0.10	
1/2 lb. ....	.20	
1 lb. ....	.35	
2 lbs. ....	.60	15 lbs. @ 17c;
5 lbs.	1.25	25 lbs. or
10 lbs.	2.30	more @ 16c.

Green Pod Bush

Black Valentine Stringless.
A desirable new bean entirely stringless, with dark green pods in great quantity. Beans fleshy, of fine flavor, matured very early.

Dwarf Horticultural. (Roman.) (40 days.) Broad, thick, curved pods 5 1/2 to 6 inches long, with carmine splashes on the successively green to yellow skin. Mottled beans fair sized, tender, of fine flavor. A fine snap, shell, baker or dry bean.

Early Bountiful (42 days.) Practically rust and mildew proof, and very prolific; one of the very first and among the latest to quit production. Pods 6 1/2 inches long, straight, by 1/2 inch wide. Beans excellent, stringless, brittle.

Full Measure. (45 days.) Very prolific. Perfectly stringless, round, very fleshy, deep green pods 5 to 6 inches long. The quality is superb.

Stringless Green Pod (40 days.) Long, thick, round, stringless pods, tender and brittle; of unexcelled quality in every stage. This variety is one of the most popular beans in America.

Tendergreen (52 days.) A popular new variety; 7-in. pods. A good green in color, extra tender in texture, of delicious flavor, beans large and round; stringless. The vines are vigorous and very productive.

Pole Lima Beans

Plant first week in June, about 1 inch deep, with the eye down. Set poles 3 feet apart. Be liberal with seed, but thin to 3 or 4 plants.

Carpinteria. (75 days.) 3 to 5 large, meaty beans to the pod; retain their green color.

Early Leviathan. (75 days.) Pods contain 3 to 4 beans.

Giant Podded. (90 days.) A prodigious cropper, big pods.

King of the Garden. (85 days.)



Improved Golden Wax

Yellow Pod or Wax Bush

Dwarf Unrivalled Wax. (30 days.) Notable as the earliest Wax Pod Bean. The yellow 6-inch pod is nearly straight with curving tip. A heavy cropper, free from rust and blight, the beans of excellent flavor.

Early Wonder Wax. (35 days.) Pods 5 to 7 inches, flat, plump, meaty, and brittle; their clear yellow seldom scarred by rust.

Improved Golden Wax. (40 days.) Pods are oval and thick, entirely stringless; clear, waxy, golden yellow, with fine buttery flavor.

Pencil Pod Black Wax. (40 days.) Extremely prolific; beans measure 6 to 8 inches long, slightly curved; pencil thick; brittle, stringless; golden.

Round Pod Kidney Wax. (Brittle Wax.) (45 days.) Large, lemon-yellow, fleshy pods which hang thickly on the plants; fine flavor, stringless, free from rust.

FIELD BEANS

Red Kidney (60 days).
White Kidney (60 days).
White Marrow (60 days).

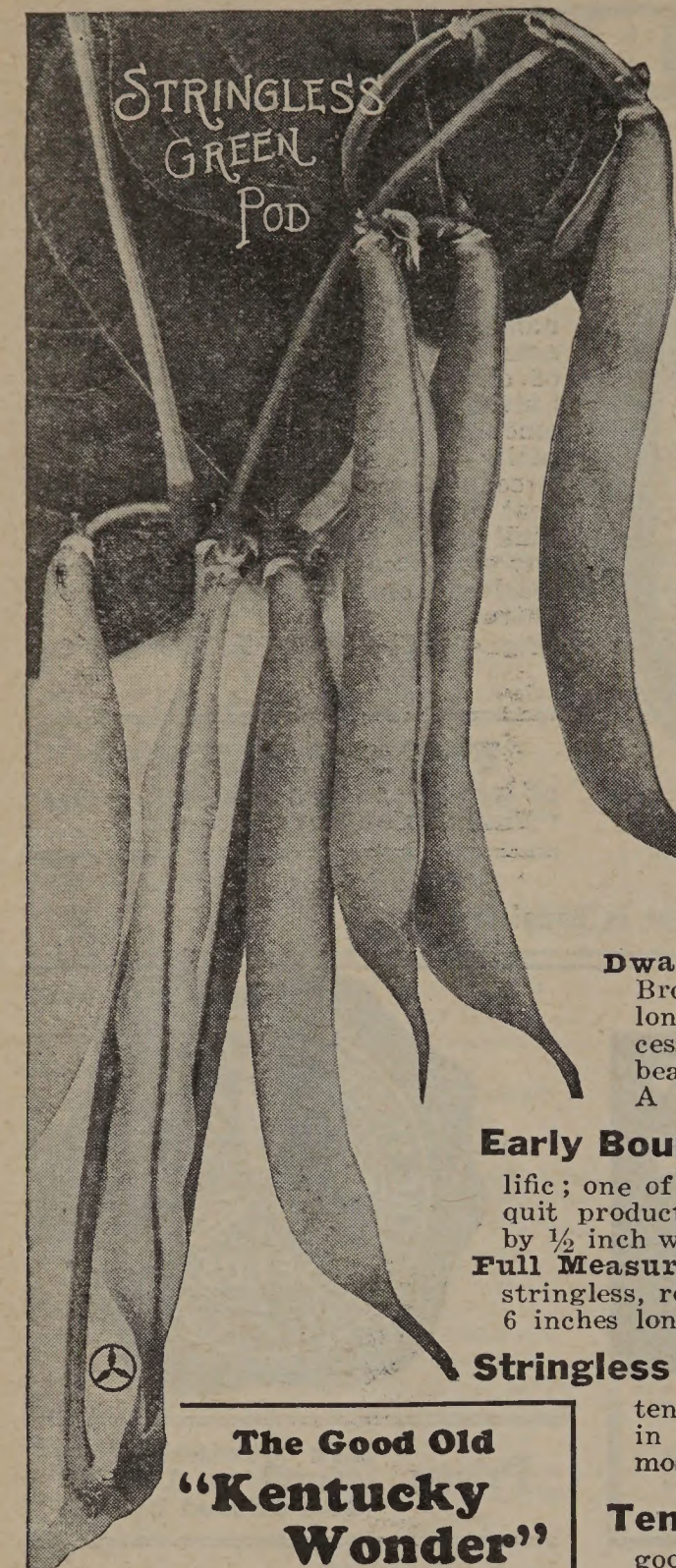
Bush Lima Beans

PRICE Pkt. 10c; 1/2 lb. 20c; lb. 35c; 5 lbs. \$1.50; 10 lbs. \$2.75. By express or freight, not prepaid, 25 lbs. @ 18c; 100 lbs. or over at 17c.

Burpee Improved Bush Lima (75 days.) Excellent flavored Beans, borne on large, vigorous plants. Extremely prolific, hanging in enormous clusters. Pods contain from 4 to 6 beans of greenish color.

Fordhook Bush Lima (75 days.)

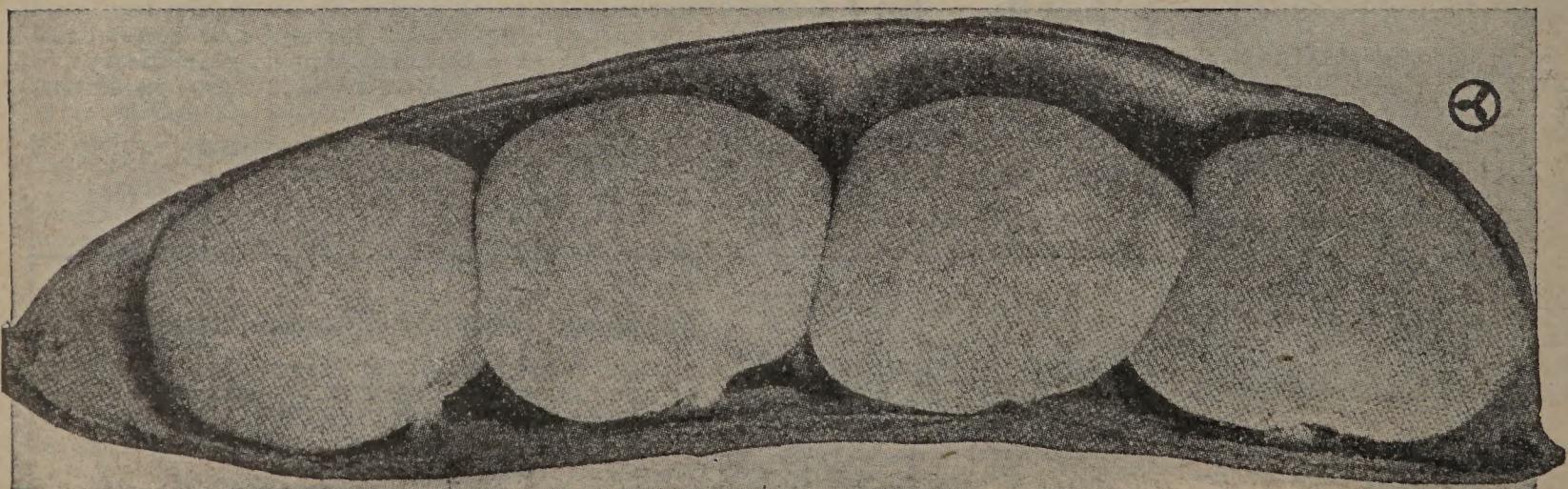
Makes an ideal bushy growth with stiffly erect stems and branches. An enormous bearer of plump, well-filled pods in clusters of four to six, all ready for use at the same time; upheld above the dirt, and so clean and free from rust and rot. The beans are large, thick, greenish, tender, sweet and juicy, with a rich, nutty flavor.



The Good Old "Kentucky Wonder"

Pole Old Homestead. (65 days). The well-known climbing bean requiring tall poles or wire supports for its prodigious crop. Pods 7, 8 or 10 inches long; deeply saddle-backed, fleshy, borne freely in clusters of 2 to 4 pods. The beans are substantial, fine flavor. General price.

Bush The Commodore. (New Dwarf.) No poles needed; but allow extra space for bush expansion. The pods measure 8 to 9 inches long, nearly straight, fleshy, brittle, and stringless, of that delightful Kentucky Wonder flavor. You should try this new type. Pkt. 15c; 1/2 lb. 35c; lb. 60c; 2 lbs. \$1.00; 5 lbs. \$2.25.



Actual Size of the Fordhook Bush Lima

BEETS

CULTURE. Sow early in drills 12 to 18 inches for hand culture, to 2½ feet for horse cultivation; cover to a depth of 1 to 2 inches. One ounce to 60 feet of drill; 5 to 6 lbs. per acre.

For Table Use

Detroit Dark Red (50 days.) Globular; smooth, dark blood-red; flesh bright, tender, sweet. Probably the most popular table beet for both market and home garden. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 90c; 5 lbs. @ 75c.

Perfected Detroit (50 days.) Received Award of Merit, All-America Selections, 1934. Superior to any variety yet introduced. Comes 90 per cent true to exactly the same shade of dark red color and does not show any white rings. Tops are medium and their close, compact attachment leaves a larger portion of the root edible. Roots are globular, very smooth and uniform. Excellent for canning and market use. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 90c; 5 lbs. @ 80c.



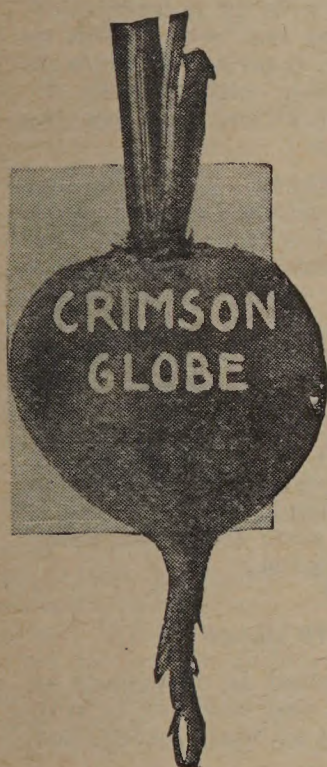
The New Perfected Detroit



Detroit Dark Red Beet

Standard Table Beets

Crimson Globe. (45 days.)
Crosby's Egyptian. (40 days.)
Early Blood Turnip. (55 days.)
Early Wonder. (40 days.)
 Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 75c;
 5 lbs. @ 70c.



Swiss Chard for "Greens"

the leaf; are delicious when cooked and served in the same manner as Asparagus. The leaves are large, heavily crumpled or "savoyed," crisply tender and of fine flavor. The leafy portion of the foliage is cooked and served in the same manner as spinach. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 70c; 5 lbs. @ 65c.

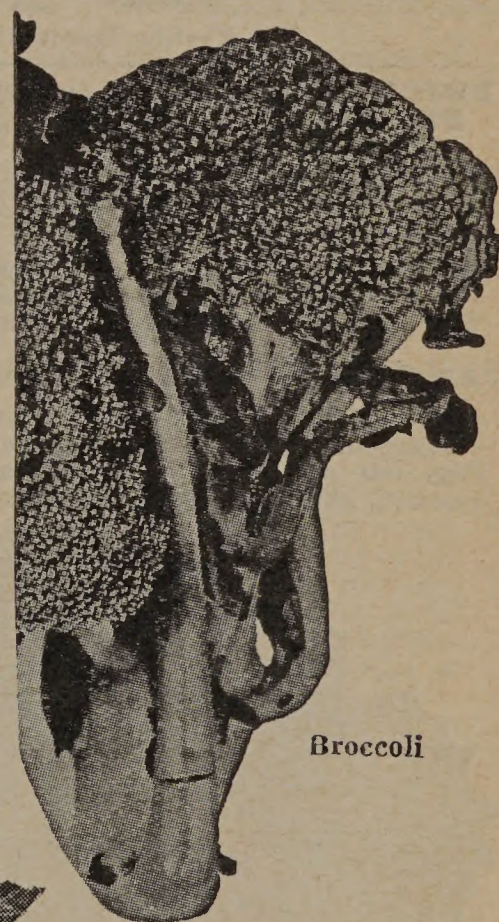
Swiss Chard Lucullus (50 days.) The plants grow to a height of 2 to 2½ feet. The stalks are heavily ribbed and from 10 to 12 inches long below

BROCCOLI

[Hardy Cauliflower]

Italian Green Sprouting

(90 days.) Makes a large head and many branching sprouts which are cooked like cauliflower; even milder in flavor, delicate and delicious. Sow seed in May and June; harvest in August and later. Pkt. 10c; ¼ oz. 15c; ½ oz. 20c; oz. 30c; ¼ lb. 80c.



Broccoli



Sugar Beets and Mangels for Stock Feeding

Thin to 8 to 12 inches in the row. Thorough and frequent cultivation is essential when young, but discontinue as soon as the roots mature, indicated by drying of leaves. Store in earth-covered heaps.

MAIL PRICE: Oz. 10c; ¼ lb., 20c; lb. 50c; 5 lbs. \$2.25; 10 lbs. \$4.00.

Golden Tankard. (95 days.) Golden fleshed; roots half long.

Klein Wanzleben. (65 days.) A large yielder, grown for sugar, and winter food for cows.

Mammoth Long Red. (115 days.)



BRUSSELS SPROUTS

Highly esteemed for boiling during the late fall and winter months. The sprouts resemble miniature Cabbages, growing close to the stalk of the plant, being produced in abundance from tip to ground level. Quality and flavor much improved by frost. Seed should be sown thinly in drills early in June, the plants reset when 6 inches high into rows 3 to 4 feet apart, 18 to 24 inches apart in the row.

Improved Dwarf. (125 days.) The very best Long Island grown seed. Grows 1½ feet high, and is very productive. Pkt. 10c; ½ oz. 15c; oz. 25c; ¼ lb. 50c.

CABBAGE

CULTURE. The early varieties should be sown very early in the spring in hotbed or later in open ground. Plant out 18 inches by 2 feet apart. The late varieties are usually sown by the last of May and the plants set out in July, in rows 3 feet apart and 2 feet apart in the rows. One ounce will produce 3000 plants. One-quarter pound of seed in beds, enough for an acre.



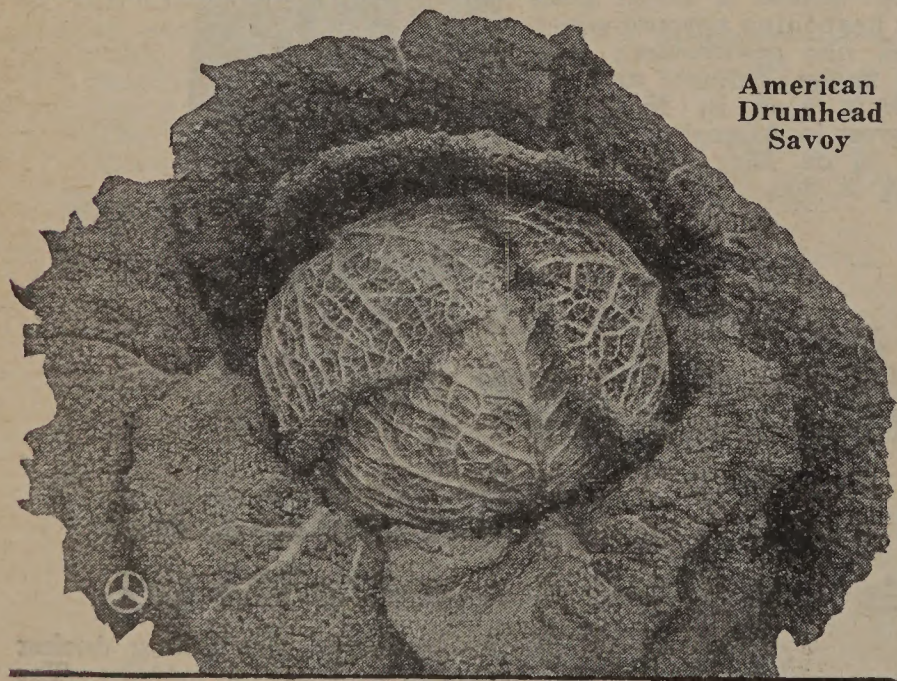
The Prolific Danish Ball Head

PRICE OF CABBAGE (except noted), POSTPAID:
Pkt. 10c; ½ oz. 15c; oz. 25c; ¼ lb. 65c; lb. \$1.75.

American Drumhead Savoy. (110 days.) The Savoys excel all other cabbages in flavor, and this is the best of them. Compact on short stalks; leaves crinkled, deep green.

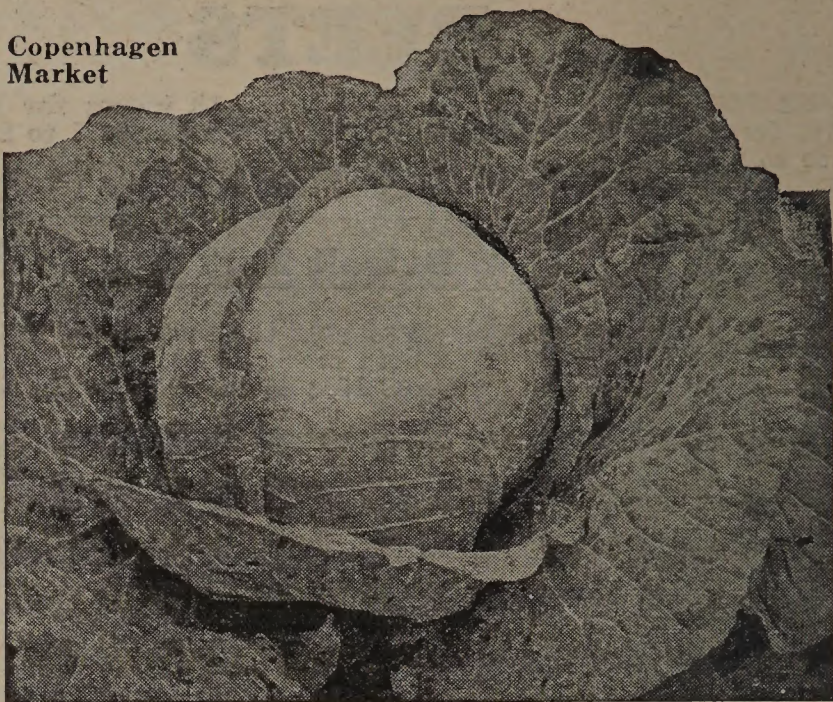
Copenhagen Market. (75 days.) Produces magnificent heads similar to Danish Ball Head, weighing 8 to 10 pounds. The highest yielding early cabbage.

Danish Ball Head (110 days.) Dutch Winter or Hollander. The heads are of medium size, solid and deep, averaging nearly 8 pounds. Quality unsurpassed, just as solid in spring as when put away. The best late cabbage, unexcelled as an all-purpose type for market, shipping, kraut or storage.



American
Drumhead
Savoy

Copenhagen
Market



Early Jersey Wakefield. (70 days.) This is the hardest heading and most dependable of the extra early sorts. Small, compact, pointed, of crisp texture, and fine flavor.

Golden Acre (65 days.) A recent Danish introduction, valuable for extra hardiness; extreme earliness; uniformity in size and development, with the desirable firmness of later sorts. Round heads of medium size.

Mammoth Rock Red. (110 days.) By far the best, largest and hardest heading Red Cabbage ever introduced.

Marion Market (75 days.) Disease-resistant. Fine round heads of the Copenhagen type; solid, fine-grained and tender, weighing 8 to 10 pounds each. Its quality and character is excellent for market as well as home use. This new variety is of prime interest to growers because of its proven resistance to disease—particularly the disastrous “yellows,” which has ruined other crops in the same infected soil.

Penn State Danish Ball Head. (120 days.) This is a fine new variety developed at Pennsylvania State College. Productive, late, uniform, attractive, hard 7-inch heads. An excellent large-yield winter type resembling Danish Ball Head, but slightly more flattened. Pkt. 10c; oz. 30c; ¼ lb. 90c; lb. \$2.50.

Premium Flat Dutch. (110 days.) Dependable for late use.

Wisconsin “All-Seasons.” (95 days.) Resistant to wilt and yellows. Very solid, slightly flattened heads. Early or late. Pkt. 10c; ½ oz. 15c; oz. 25c; ¼ lb. 75c; lb. \$2.25.

Wisconsin Hollander A yellows-resistant strain of Danish Ballhead. It will produce fine yields even on infested land. Extra good for yield, keeping quality, for kraut, storage and shipping. Pkt. 10c; oz. 30c; ¼ lb. \$1.00; lb. \$3.25.

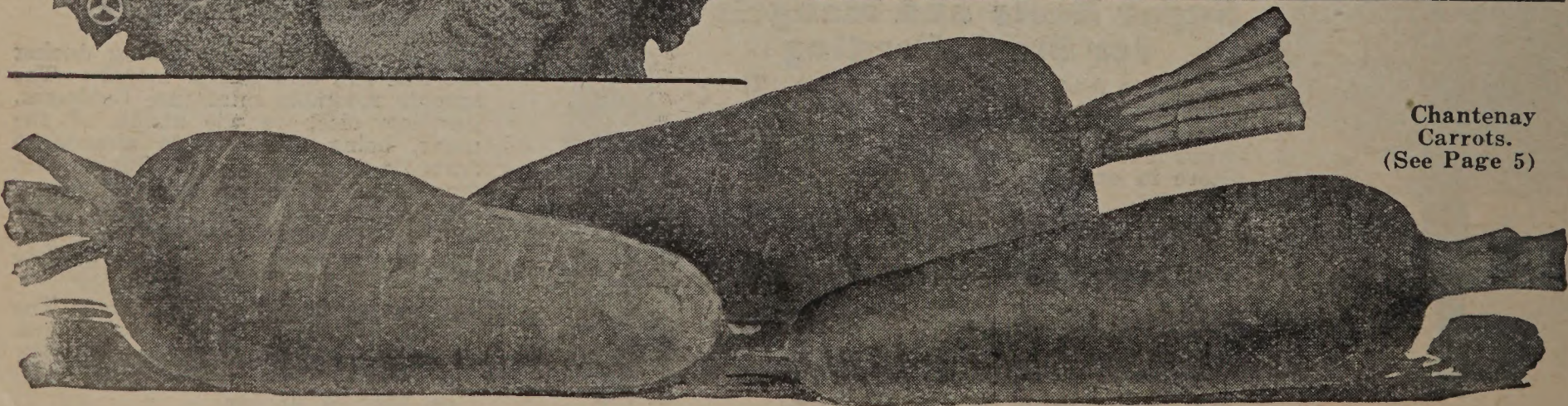
CHINESE CABBAGE (70 days)

CULTURE. For early use sow in hotbed in February or March. When 4 inches high transplant, if the weather is suitable, 1 foot apart in 2½-ft. rows. For late or main crops, sow in August or early September.

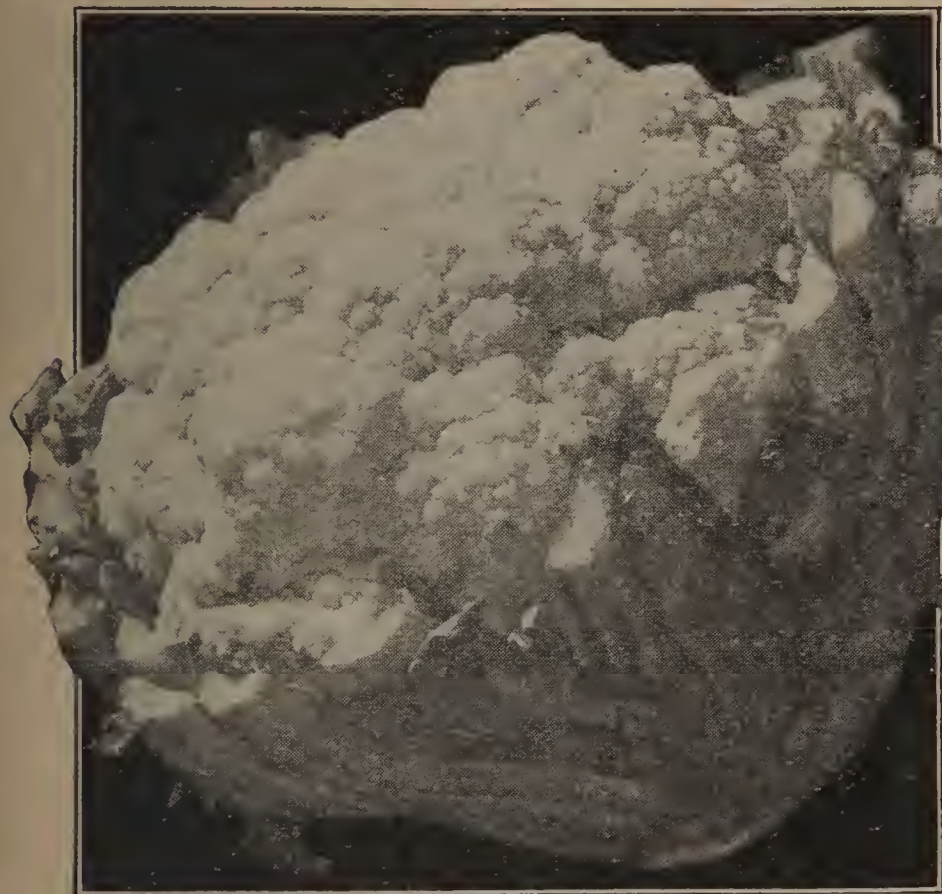
Pe Tsai While not a Cabbage, it is closely related, both belonging to the Brassica family. When well grown, makes a head 15 inches long and 4 to 5 inches in diameter, blanching to a beautiful white. May be eaten as a salad or is delicious when cooked like cabbage.

NEW CELERY CABBAGE

Improved Pekin (or Chihli). (70 days.) A wonderful new salad plant; resembling both Celery and Cos Lettuce, but with a delicious flavor all its own. May be boiled like Cabbage, or cooked as greens, or served as a crisp, tasty salad. Best in cool weather but not hardy to frost.



Chantenay
Carrots.
(See Page 5)



Super Snowball Cauliflower

CARROT

CULTURE. Cover the seed about one-half inch, pressing the soil firmly. Sow as early in spring as the ground can be worked; and for late crop from May 1st to June 1st, in drills 15 inches apart. Thin to 3 or 4 inches apart in row. 2½ lbs. of seed will sow an acre; 1 oz. to 200 feet of drill.

CARROT PRICES (Except Noted) POSTPAID: Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 80c.

Chantenay (60 days.) Uniform shape, intermediate in size, deep golden orange; fine for table use. (Illustration on page 4).

Red Cored Chantenay (60 days.) Excellent for slicing, and dicing for soups, salads, etc., because the deep orange heart is the same as the flesh, and does not turn yellow when cooked. The roots are uniform, with small tap roots and small collars.

Danvers. (75 days.) Smooth, good size; best for stock.

Improved Nantes. (65 days.) Half-long. almost cylindrical, blunt end and very small tap root. Flesh fine grained, with very little core, both smooth skin and flesh deep orange.

Morse's Bunching. A new variety of special interest to the home gardener. Forms attractive deep orange carrots 7 to 8 inches long by 1¼ inches thick. They are almost cylindrical with an abrupt stump root. Tender, brittle and very sweet, showing only a faint core.

Oxheart. (75 days.) A short, thick variety good either for family use or market, and profitable for feeding.

Pride of Denmark

Immensely productive, 6 to 8 inches long, uniformly thick, attractive deep orange all the way through.

Supreme Half-Long. This new home and market garden variety received Special Mention in the 1937 All-America Awards. Resembles a small refined Danvers with short tops. Root 6 to 7 inches long about 2 inches in diameter at shoulder, tapering to a half-stump. Flesh tender, sweet, of excellent flavor, dark red, with little core. Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

Touchon. Roots deep orange, cylindrical, stumpy. Flesh orange, tender, sweet, fine flavor; core inconspicuous.



Improved Nantes

CAULIFLOWER

CULTURE. Cauliflower are partial to a rich fibrous loam well charged with humus. An occasional light dressing of nitrate of soda and potash is beneficial. Make the soil as fine as possible for every transplanting, and do not allow the young plants to become checked at any time for want of water. For spring and early summer use, sow in January or February in hotbed, and transplant to cold frames 2 or 3 inches apart, when sufficiently large; and to the garden 24 to 30 inches each way, as soon as the ground is warm enough. For late autumn crops sow in the early part of June, and transplant in July. When the heads are formed, tie the leaves up over them to blanch. One ounce of seed produces about 3000 plants. (Days noted mean from medium sized plants to heading time).

Dwarf Erfurt. Suitable for either forcing or open ground. It produces a solid, pure white, medium-size head of excellent quality, and is one of the most reliable.

Early Snowball. (60 days.) Very early, and one of the surest to head. If seed is sown March 1st, large sized heads will be produced early in June. Its dwarf habit of growth renders it one of the best for forcing under glass. Valuable for late planting also.

Both kinds: Pkt. 10c; ¼ oz. 35c; ½ oz. 65c; oz. \$1.15; ¼ lb. \$3.50.

Super Snowball Cauliflower (60 days)

A newer early main-crop variety, superior to the Snowball type because of more uniform development and more perfect heads. A distinct advantage is the curled formation of its leaves which, like a parasol, protects the tender head from the sun. Plant dwarf, compact, upright and robust. Heads 6 to 8 inches across; deep, solid, snow-white; delicious flavor. Pkt. 10c; ¼ oz. 50c; ½ oz. 90c; oz. \$1.60; ¼ lb. \$5.00.

CELERY

3000 to 5000 plants per oz.

CULTURE. Sow in open ground as soon as the soil can be perfectly worked; roll or firm the lightly covering soil to retain moisture, as the seed is slow to germinate. Transplant in June or July to a prepared bed made considerably richer than seed bed, 6 to 8 inches apart in the row. Single rows should be 4 feet apart, but twin-rows 10 inches apart should skip 6 feet.

Giant Pascal. (135 days.) For second early and midwinter use. The stalks are large, thick, solid, crisp, of rich nutty flavor, free from bitterness.

Giant Pascal Special Strain. Stalks blanch easily to a clear waxy yellow. Free from stringiness, and a good yielder. Pkt. 10c; ½ oz. 25c; oz. 40c; ¼ lb. \$1.10; lb. \$2.50.

Giant Pascal French Imported Vigorous, compact, productive. Leaves upright, short, dark green. Stalks short, broad, very thick, crisp and tender, blanching readily to a yellowish white. Good keeper, one of the best for autumn and winter use. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.10; lb., \$2.50.

Golden Plume. (110 days.) Large heavy stalks with a full, solid heart; always crisp, brittle, of finest flavor, and enticing appearance. Blanching easily; and is markedly resistant to celery blight. Pkt. 10c; oz. 50c; ¼ lb. \$1.75; lb., \$4.50.

CELERIAC, Giant Prague. (125 days.) The root is turnip-shaped, sweet and tender, and may be cooked like turnips or eaten like radishes; used largely for seasoning.

CELERIAC, Large Smooth Prague. Very large roots (3-4 inch diameter), globular, fairly smooth; the stalks hollow, dark green.

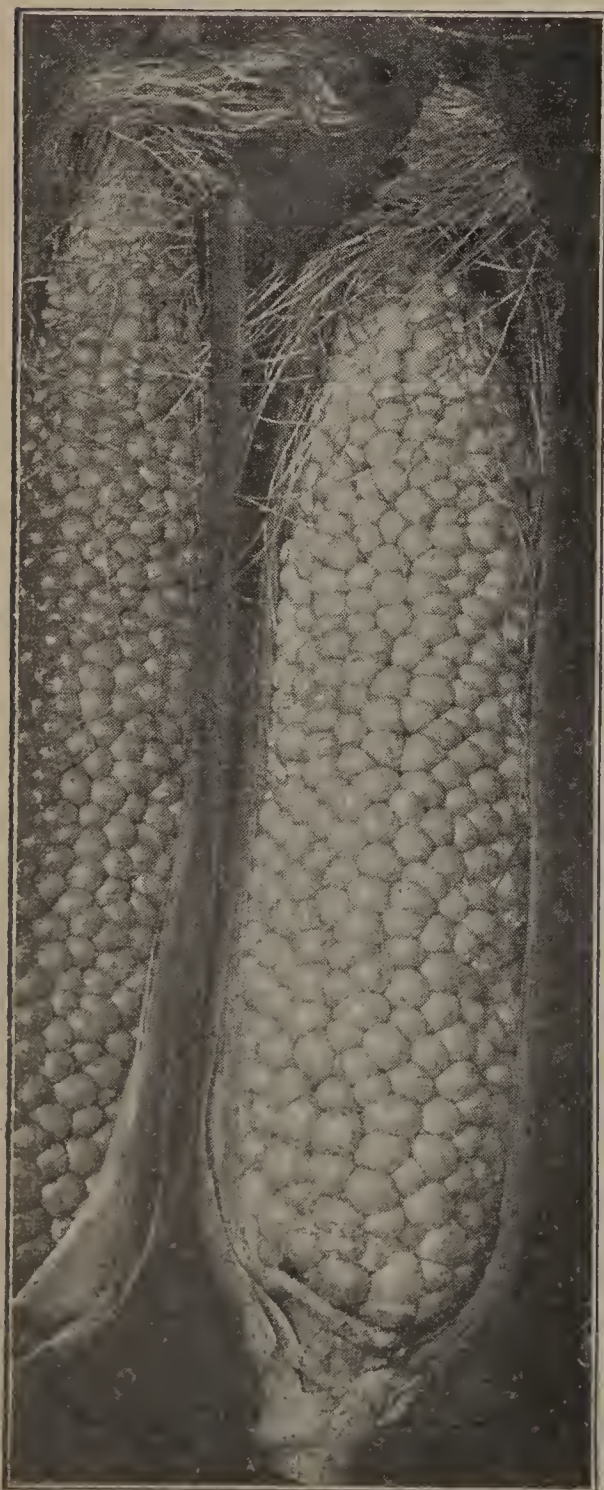
PRICE
(Except noted) Postpaid:
Pkt. 10c; ½ oz. 20c;
oz. 30c; ¼ lb. 75c; lb.
\$2.25



Grow Your Own Celery and Market the Over-Crop



Golden Bantam



Country Gentleman

Sweet Corn

CULTURE. Use any good soil; but should not be planted until the danger of heavy frost is past, and the main crop or late sorts should not be planted until the ground is quite warm. If planted in hills, for early varieties the hills should be 3 feet apart each way, for later varieties $3\frac{1}{2}$ to 4 feet apart each way, dropping 4 to 6 kernels in each hill. When 6 inches high, thin to 3 or 4 plants in a hill. Hoe frequently until the tassels appear. One-half pound for 100 feet; 15 lbs. per acre. If planted in rows, have the rows 3 to 4 feet apart, dropping the seed 1 to $1\frac{1}{2}$ feet apart. A bushel weighs 50 lbs.

PRICE Except as noted.

Postpaid:
Pkt. . . \$0.10
 $\frac{1}{2}$ lb. . . .20
1 lb. . . .35
2 lbs. . . .65
5 lbs. . . 1.25
10 lbs. . 2.25

★ See page 1 for
Exp. deduction.

Standard Kinds: By
Express or Freight (not
prepaid), 15 lbs. @ 17c,
50 lbs. or more @ 16c
per lb.

Yellow Varieties

Bantam Evergreen (Golden Evergreen). (70 days.) The result of a cross between Golden Bantam and Stowell's Evergreen, with the good qualities of both parents; as sweet as Golden Bantam, of the same beautiful color but with an ear nearly as large as Stowell's; the kernels deep grained.

Barden's Wonder Bantam. (60 days.) An improved Golden Bantam—early, richly colored, plump, juicy and distinctively flavored, producing higher up on taller stalks (5 to 6 feet), ears much longer (8 to 10 inches), greatly increasing the tonnage per acre.

Early Golden Sweet. Claimed to be the very earliest golden corn, with medium large ears of highest quality. Averages 12 rows to the ear, on stalks $3\frac{1}{2}$ feet tall. Its sweet produce so early, should popularize it for marketing.

Golden Bantam. (60 days.) The most popular Sweet Corn ever used. "Golden Bantam" is a household word. Matures with the earliest and by making a planting every 2 weeks may be had from early summer until frost. Kernels are a rich golden yellow, tender, with a flavor rich and pleasing. Ears 8-rowed, 6 to 7 inches long.

Golden Sunshine (50 days.) Blue skies and sunshine have created earliness, beauty, and the nectar-like sweetness of this golden Corn. The ears are compact, about same size as Golden Bantam but having 10 to 12 rows of grains instead of eight. Very rapid grower.

Golden Cross (75 days.) Produced by Purdue Experiment Station. Stalks $5\frac{1}{2}$ to 6 feet high. Ear medium thick, with short point, average length 7 to 8 inches; rows 10 to 12. The golden grains are of medium length, and uniform. An excellent hybrid of fixed character; of choice quality and high yield; noted for immunity to Stewart's Wilt Disease. Pkt. 10c; $\frac{1}{2}$ lb. 25c; lb. 40c; 2 lbs. 70c; 5 lbs. \$1.50; 10 lbs. \$2.90.

Spancross. (72 days.) A Connecticut state introduction derived by crossing Spanish Gold. It is a productive early market corn of quality, golden kernels in 10 to 14 rows. Highly resistant to Stewart's disease. Pkt. 10c; $\frac{1}{2}$ lb. 25c; lb. 40c; 2 lbs., 70c; 5 lbs. \$1.50; 10 lbs. \$2.90.



"Golden Sunshine"
Brings Cheer to a Million Tables

Whipple's Early Yellow. (55 days.) Double the bulk of Golden Bantam; large kernels of fine quality.

White Varieties

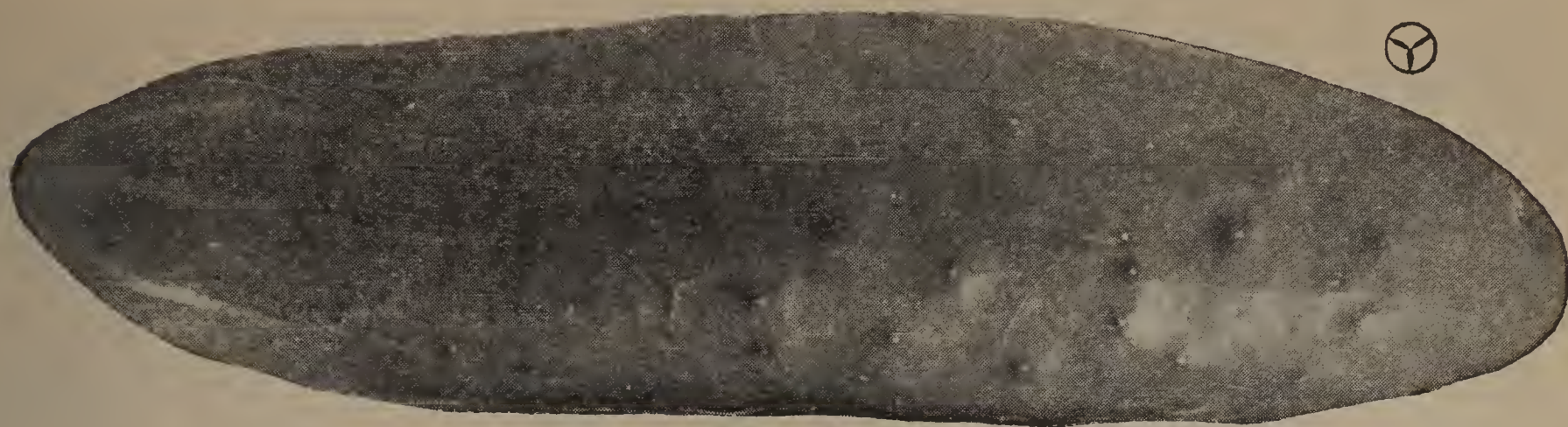
Black Mexican. (80 days.) One of the most sugary. The grains when first perfected are pure white, gradually becoming dark; fine for succotash both for its colorful appearance and its delicious taste.

Country Gentleman. (75 days.) This is sometimes known as "Shoe-peg," from the small peglike kernels irregularly placed on the cob. Medium sized ear, with small cob, giving great depth to the kernels. Quality distinctive with countless votaries still calling for it on the cob.

Stowell's Evergreen. (80 days.) The old popular variety. Hardy and productive; tender and sugary, remaining a long time in a condition suitable for eating. An extra good fodder corn.

CRESS

Pepper Grass, Extra Curled. Sow rather thick in shallow drills and at short intervals during the season. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 40c.



Clark's Special Cucumber

CUCUMBER

Cucumbers succeed best in rich loamy soil. As soon as the weather becomes warm and settled, plant in hills 4 to 6 feet apart each way, with 10 to 12 seeds in a hill. The fruit should be picked when large enough, whether needed or not, to save productiveness. One ounce to 50 hills; 2 to 3 lbs. per acre.

PRICE—POSTPAID: Pkt. 10c; oz. 15c; 1/4 lb. 35c; 1 lb. \$1.00; 5 lbs. @ 90c.

Improved White

Spine (65 days.) Rich green in color and very productive. 7 to 8 inches long, slim and symmetrical. One of the best varieties for forcing, equally good for outdoor planting. Flesh is crisp, solid and tender, with few seeds.

Boston Pickling (50 days.) Distinct, very prolific and exceedingly popular variety, largely planted for medium-size pickles. The fruits are short, smooth, bright green; of excellent quality.

Clark's Special (65 days.) All-America Award 1933. Holds its color and firmness when shipped long distances. Fruits weigh 2 1/4 pounds; very dark green, slightly tapered at both ends; about 10 inches long; flesh crisp and firm; keeps edible. Few seeds.

Straight Eight (65 days.) (New.) This Cucumber received the 1935 All-America Gold Medal award as being one of the most outstanding vegetables of the year. The cylindrical fruit is 8 inches long by 1 1/2 inches in diameter, well rounded at the ends; deep green color.

The New Longfellow (65 days.) 12 to 14 inches in straight length by 2 1/2 inches in diameter. Holds its dark green color until the last.



Early Fortune

Davis Perfect (50 days.) A first-class variety for forcing under glass; also for outdoor culture and shipping; being very adaptable to both slicing and pickling. The color is a dark glossy green; smooth; desirable shape, 9 to 11 inches long by 2 1/2 inches thick, tapering at both ends; almost seedless; very prolific.

Early Fortune

(52 days.) A good all-around Cucumber. The rich dark green fruits when at the slicing stage, average 7 1/2 to 8 inches in length. The flesh is firm, with a small seed cavity, making it a good shipping and market as well as pickling sort, producing an enormous quantity.

Improved Chicago Pickling. (68 days.) Very popular with the market gardeners. Fruit is of medium length, pointed at each end with large and prominent spines, color deep green; extremely prolific.

Improved Long Green

(65 days.) Slicing and pickling. Of excellent quality, dark green, firm and crisp; extra long, tapering at the stem end, 12 inches in length.

Monarch or Heinz's Pickle. (55 days.) Very prolific and one of the most popular kinds for pickles. The young fruit is short, straight, square ended and deep green in color.

National Pickling. (50 days.) Early, high-yielding variety especially bred for pickling in the small sizes. Fruits straight, symmetrical, and blunt-ended, but not chunky. Pack without waste space. Color deep green. Makes firm crisp pickles.

Staygreen or Black Diamond. (55 days.) A heavy yielder of uniform handsome fruits 7 to 8 inches long that are a beautiful dark green color from end to end; earliness, productiveness, fine color and uniform shape are its strong points of excellence.

POPCORN

Winter nights before the hearth fire or around the kitchen range, are incomplete without the scent and cheery music of popping corn.

CULTURE. Sow in rows 3 feet apart soon as beans can be planted, using more than one row, to insure pollenization, covering 2 to 3 inches deep with fine soil. Thin plants to stand 10 to 12 inches apart.

Australian Hulless or Japanese. Also known as "Tom Thumb" or "Bumble Bee" Popcorn. Distinguished by an absence of hull or shell when popped. Dwarf growing but a heavy yielder of short, chunky ears. The kernels are pearly white, unusually long and slim, of splendid popping quality and appealing flavor.

Queen's Golden. Stalk 5 to 6 feet; 2 or 3 large ears each. Kernels rich yellow but pop out pure white, over an inch in diameter.

Dynamite or "T.N.T." A type which "pops" fast and merrily; distinctly emphatic in all its traits. The tallest stalks, 6 to 8 feet; the longest orange-colored ears, 9 inches or more and three to a stalk; the biggest, roughest, fluffiest popped kernels, creamy yellow in color, with a delicious new flavor.

PRICE:
Postpaid
Pkt. ...\$0.10
1/2 lb. . . .20
1 lb. . . .30
2 lbs. . . .50
5 lbs. . . 1.00
10 lbs. . . 2.00
Express or freight (not prepaid): 50 lbs. or more @ 14c per lb.





Thyme

Sweet Marjoram

Dill

Rosemary

Sage

EGGPLANT

CULTURE. Sow in hotbed early in March, transplant when 3 inches high. After danger of frost is past, transfer to the garden 2½ feet apart each way. Make soil rich.

Pkt. 10c; ½ oz. 20c; oz. 35c; ¼ lb. \$1.00.

Black Beauty. (140 days). The fruits are broad and thick, of attractive form and finest flavor; rich purplish black.

Improved Large Purple. (125 days). Fruit remarkably large, often measuring 12 inches in depth and 9 inches in diameter, weighing 5 to 6 pounds.

ENDIVE

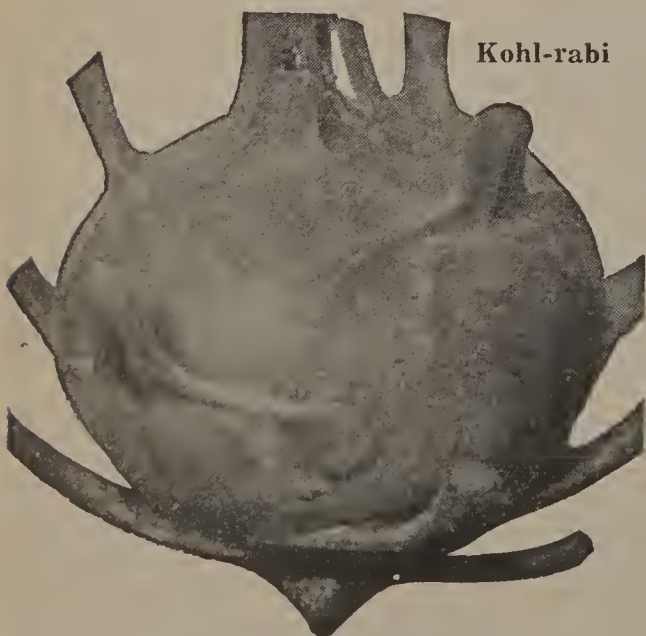
CULTURE. For early use sow in April; for late or main crop, in June or July, in drills 14 inches apart; when 2 or 3 inches high thin to 1 foot apart in the drills. When fully grown should be blanched.

Pkt., 10c; oz., 15c; ¼ lb., 35c; lb., \$1.00.

Green Curled. (45 days.) Deep cut leaves; crowded, dense at center, readily self-blanching. Fine for salads.

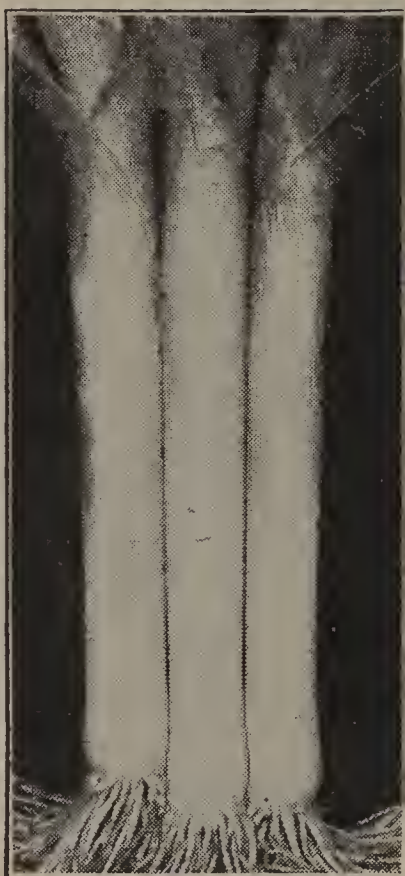


Dwarf Green Curled Kale



Kohl-rabi

possible, to blanch the neck. Pkt. 10c; oz. 25c; ¼ lb. 60c.



American Flag Leek

KALE

CULTURE. Kale is one of the hardiest of "greens" belonging to the Cabbage family. Sow either in rows or broadcast; in early spring, for summer and fall use; August or September for spring use.

Dwarf Green Curled. (55 days.) This is the most dwarf popular variety. Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 90c.

KOHL RABI

A turnip-rooted Cabbage, the edible part being the swollen, fleshy bulb which grows on a stalk a few inches above the ground. Use before bulbs get to be more than 2 inches thick. Remove the thick outer skin before boiling, and serve like turnips, the flavor uniting both cabbage and turnip. Sow ¼ inch deep, in drills 2 feet apart; thin to 8 inches apart.

Early White Vienna. (50 days.)
Purple Vienna. (70 days.) Pkt. 10c; oz. 15c; ¼ lb. 50c; lb. \$1.50.

LEEK

American Flag. (70 days.) Closely allied to the Onion, it is used in soups, stews or boiled whole and creamed; its mildness and distinctive flavor making it very popular. The entire lower portion or neck of the plant is used; 2 inches thick by 10 inches long. Sow early in the spring in drills ¼ inch deep and 1 foot apart. When 6 or 8 inches high, transplant as deep as

HERBS

Home "Herb Gardens" for culinary and medicinal uses, for their pungent scents and attractive plant and flower effects, have become smart gardening.

We offer the easiest grown and most useful types.

Plants should be cut on a dry day just before full bloom, and hung up to dry.

Anise. (55 days.) Leaves used for flavoring, garnishing, cordials; seeds in baking. Pkt. 10c; ½ oz. 15c; oz. 25c.

Basil, Sweet. Spicy sweet taste; a good addition to green salads, to dishes containing tomato or cheese, to fruit drinks, and in soups with other herbs. Leaves may be dried.

Pkt. 10c; oz. 35c.

Caraway. (60 days.) Leaves used for flavoring soups, etc. The second year the aromatic seeds are used to flavor bread, cookies, cake, etc.

Pkt. 10c; ½ oz. 15c; oz. 25c.

Chives. An onion type and flavor, the plant perfectly hardy and perennial. The finely chopped leaves are much favored in salads, soups and stews. The growing plant is quite ornamental.

Pkt. 10c; ½ oz. 40c.

Dill. (70 days.) Leaf, stem and seed used; indispensable in dill pickles.

Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. 65c.

Horehound. A poor-soil plant, grown compactly. The leaves and juice from the flowering tops provide that pungent, bitter, efficient flavor found in cough syrups and "Horehound candy."

Pkt. 10c; oz. 55c.

Lavender. (60 days.) Perennial. Delicate, permeating fragrance; for scenting wardrobes and other clothes containers. Pkt. 10c; ½ oz. 25c; oz. 40c.

Rosemary. Fragrance and pungent taste to season meats and soups.

Pkt. 10c; ½ oz. 45c; oz. 75c.

Sage. Perennial. The leaves and tender tops are used to season dressing and sauces. A medicinal tea is also made from the dried leaves.

Pkt. 10c; oz. 30c.

Summer Savory. Leaves and flowering tops are put into dressings, boiled with peas and snap-beans; and are used fresh in salads with other herb flavorings. Pkt. 10c; oz. 35c.

Sweet Fennel. Eat the fresh tender stems raw (like celery); or break up into salads. Leaves may flavor soups and sauces; seeds give pleasant taste to candy, and medicine.

Pkt. 10c; oz. 25c.

Sweet Marjoram. (70 days.) Used as a relish in soups, broths and dressings. Perennial. Pkt. 10c; oz. 25c.

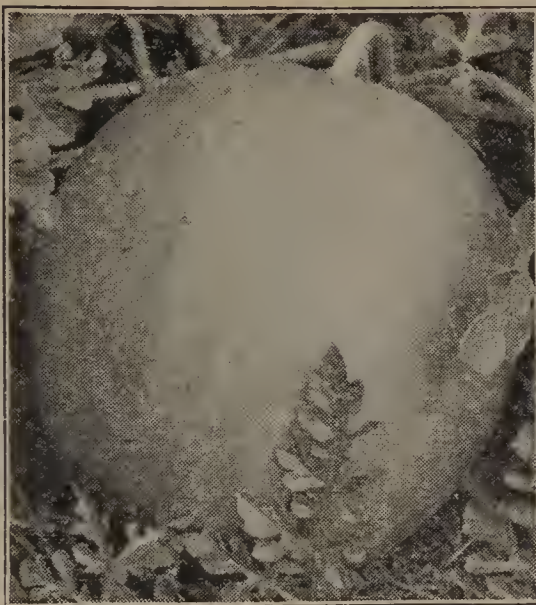
Broad-Leaved Thyme. (70 days.) An aromatic perennial about 12 inches high; quite ornamental, with tiny lilac flowers. The leaves are used for flavoring soups, gravies, stews, sauces and dressings; and in tea for headaches.

Pkt. 10c; ½ oz. 25c; oz. 40c.

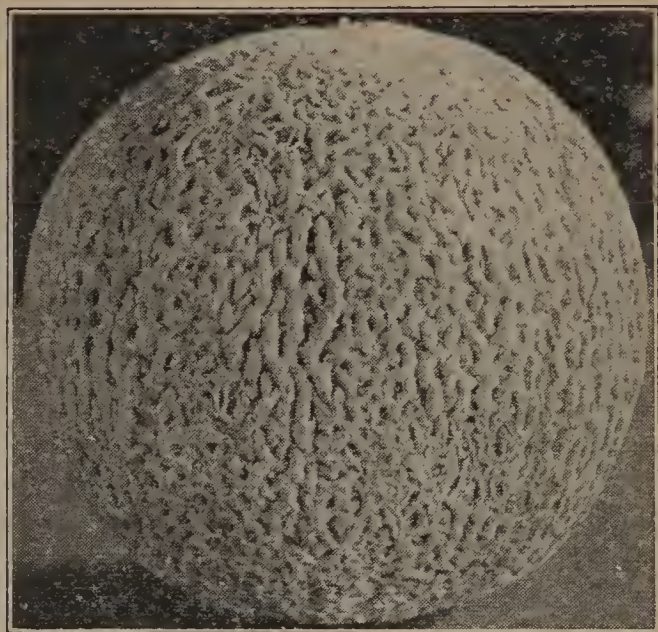
13 Packets, 1 Each Above, 80c



Grand Rapids Leaf Lettuce



Winter Watermelon



Honey Rock Muskmelon

LETTUCE

CULTURE. Sow in the open ground in rows 1 foot apart; thin out plants to 1 foot apart in the rows. Sow often.

PRICE All varieties:
Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. \$1.00.

- Big Boston** (50 days.) Especially valuable for summer and fall use out-of-doors, and for hotbed. Forms a firm, well-folded head, buttery yellow at the heart.
- Black-Seeded Simpson.** (40 days.) Crisp, broad, light green.
- Denver Market.** (45 days.) For forcing or open ground; the crisp leaves curled and crimped.
- Early Prize Head.** (50 days.) Tinged with brownish red.
- Grand Rapids** (38 days.) Most popular loose-leaved variety. Best forcer for winter and early spring. Leaves light green, broad, curly and heavily fringed.
- Iceberg** (55 days.) No Lettuce surpasses Iceberg in quality. The heads are very solid, of medium size, with few green outer leaves. The white heart is crisp and delicious.
- Imperial "F"** (55 days.) Heads large and solid. An excellent shipper; healthy, does well under varying weather conditions.
- Improved Hanson.** (45 days.) Heads large, fine form, sweet, tender and crisp, green outside and white within.
- New York** (Also "Wonderful" and "Los Angeles"). (55 days.) A remarkable Head Lettuce famous from coast to coast. Immense round heads about 15 inches across, weighing 2 to 3 pounds, crisp and solid. Deep rooted and drought-resistant.
- White Self-Closing Cos** (55 days.) Beautiful light colored outer leaves, centers blanching to a pure white, very tender and delicious.
- Chicken Lettuce** (45 days.) Grown as a "greens" plant for chicken or rabbit feed.



Head Lettuce, New York or "Wonderful"

MUSKMELON

CULTURE. Melons require rich soil. Sow 10 to 15 seeds to each hill, which should be 6 feet apart each way. Thin to 3 or 4 strongest plants. One ounce for 50 hills.

PRICE: Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 90c.

- Bender's Surprise.** (80 days.) Oval, coarsely netted, averaging 7 pounds; of delicious flavor and sweetness.
- Hale's Best.** (68 days.) Elongated oval, heavily netted, early; luscious flavor and sweet salmon-colored flesh.
- Hearts of Gold.** (70 days.) Good to look at with its fine netting, fairly distinct ribs, uniform just-right table size, and satisfying abundance. The flesh is luscious pink and gold, with little waste in seed cavities; flavor unexcelled.
- Honey Rock** (80 days.) A distinct new variety; extremely prolific, large in size, of attractive appearance (round, not ribbed, heavily gray-netted over golden yellow), so tough it handles and ships perfectly. Its deep, melting, orange-colored flesh with tantalizing sweet aroma, is an irresistible inducement to take, eat and enjoy one of the best flavored Melons ever produced.
- Improved Perfecto** (80 days.) An outstanding market kind; a good cropper. Fruits nearly round, 2½ pounds, completely covered with hard gray netting, without ribs. Flesh thick, extremely small seed cell; deep salmon color; fine grained, juicy, sweet.
- Lake Champlain** (70 days.) Medium-sized, intricately netted, moderately ribbed; the flesh is deep, sweet and melting, golden yellow; plant vigorous.
- Tip Top.** (80 days.) Fruits broadly oval, 7½ inches long; skin slate-green ripening to yellowish, furrowed but sparsely netted. Flesh thick, salmon-yellow, very juicy, sweet, and of rich flavor.

WATERMELON

CULTURE. Sandy soil is best, but light loam is good; requiring perfect drainage and rich fertilization. Wait for warm weather; sow 6 to 8 seeds ½ inch deep in hills 8 feet apart each way, thinning to 6 plants, and eventually to 4 plants. One ounce plants 20 to 40 hills or 4 pounds to an acre.

PRICE: Pkt. 10c; oz. 15c; ¼ lb. 25c; lb. 75c.

- Harris' Earliest** (60 days.) Best variety for northern latitudes, largest and sweetest of all early Melons. Oval, green striped with gray, attaining 20 to 30 pounds. Firm, hard rind; flesh bright red and tender.
- Kleckley's Sweet.** (70 days.) A thin, brittle rind not suitable for shipping; but most popular for early home garden. Large, oblong, very dark green; flesh bright red, crisp, exceedingly sweet.
- Stone Mountain** (85 days.) Also called "Dixie Belle." A high quality shipping variety recently introduced; popular in northern markets. Fruits very large, oval-round with blunt ends; dark green, tough rind. Flesh scarlet, fine grained and sweet.
- Tom Watson** (90 days.) One of the very best shipping Melons. Long, cylindrical, uniform, dark glossy green, rind thin but very tough; flesh dark red, crisp, no strings and most delicious. Popular for its flavor and inner beauty and for the handling convenience of its shape.
- Winter Watermelon** (80 days.) A home-grown Melon for your Thanksgiving dinner! Genuine midseason form and luscious flavor carried on into winter. Prolific, of medium size, round shape, yellowish rind; with flesh bright red, sweet as honey. Take fruits from field before frost, and store in a cool cellar.

OKRA**CULTURE.**

Seed should be soaked before planting to insure quick and even germination; sow in rows 2 to 3 feet apart, and thin to 12 inches in the row. Gather pods when young.

White Velvet. (50 days.) It is delicious in soups. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 65c.

Onion Seed**CULTURE.**

A strong, deep, rich and loamy soil is most suitable, or even a black sandy loam. Muck ground, drained to the depth of two feet, gives large yields. The ground should be heavily dressed with well-rotted manure, and plowed a moderate depth, taking a narrow furrow; if possible the plowing should be done in the fall. As early in the spring as the ground is in working order, harrow it thoroughly and make as fine and level as possible; sow thinly in drills one-fourth inch deep and 14 inches apart. Do not ridge up to the growing bulbs. One ounce will sow 100 feet of drill; 4 to 5 pounds per acre for large onions; 50 to 60 pounds for sets.

PRICE Pkt. 10c; oz. 20c;
 $\frac{1}{4}$ lb. 50c; lb. \$1.60.

Ebenezer or Japanese. (100 days.) An old yellow-skinned variety lately reintroduced. Bulbs deep, flat, of medium size, clear dark yellow, very hard and firm. A most vigorous grower and heavy yielder, a very good onion with long-keeping qualities. Best yellow for growing "sets."

Mammoth Silver King (80 days.) A large, flat but thick, sweet, silvery white Italian variety, maturing very early. On account of its extreme mildness it is one of the best for salads and eating raw. To produce the largest Onions, transplant when the young seedlings are 3 to 4 inches high.



The Popular
Prizetaker



Ohio Yellow Globe Onions crated for an eager market.

Mountain Danvers The Best Keeping Onion of All. Originated in the mountains of Colorado. Heavy yielder. Ripens early and is very hard and solid, without any thick neck. Is of good size, of slightly flattened globe shape like the Danvers Yellow Globe, but a darker yellow color. The crop ripens evenly, without any scallions, and will keep with less shrinkage or loss from any cause than any other Onion.

Ohio Yellow Globe (110 days.) One of the finest yellow commercial Onions grown; of good size, true globe shape, absolutely free from any neck, a solid bulb and fine keeper. The most popular strain in the Ohio Onion belt.

Prizetaker (100 days.) Very large, globular, sometimes weighing 2 pounds; hardy, productive and a fair keeper. Outside skin is straw-yellow, flesh white, tender, mild, and sweet.

White Portugal or Silverskin. (95 days.) This is a small silvery white Onion of flattened shape. Just the right size and quality for pickling whole, for which it is used almost entirely. Keeps well in winter.

White Sweet Spanish (110 days.) Largest of the white onions. Bulbs globular with small neck, pure white; flesh firm and mild. Very attractive and keeps fairly well.

Yellow Sweet Spanish (100 days.) A very large variety of Spanish origin, an extra heavy yielder. Globular, with golden yellow skin, white flesh and of pleasing sweet flavor and extreme mildness. Desirable for market shipping and fall storage.

PARSLEY

Sow in rich, mellow soil; soak the seed 12 hours before sowing, which should be done in early spring, as they are very slow to germinate. When 1 or 2 inches high, thin out the plants to 6 inches apart in the rows.

Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; $\frac{1}{2}$ lb. 45c; lb. 80c.

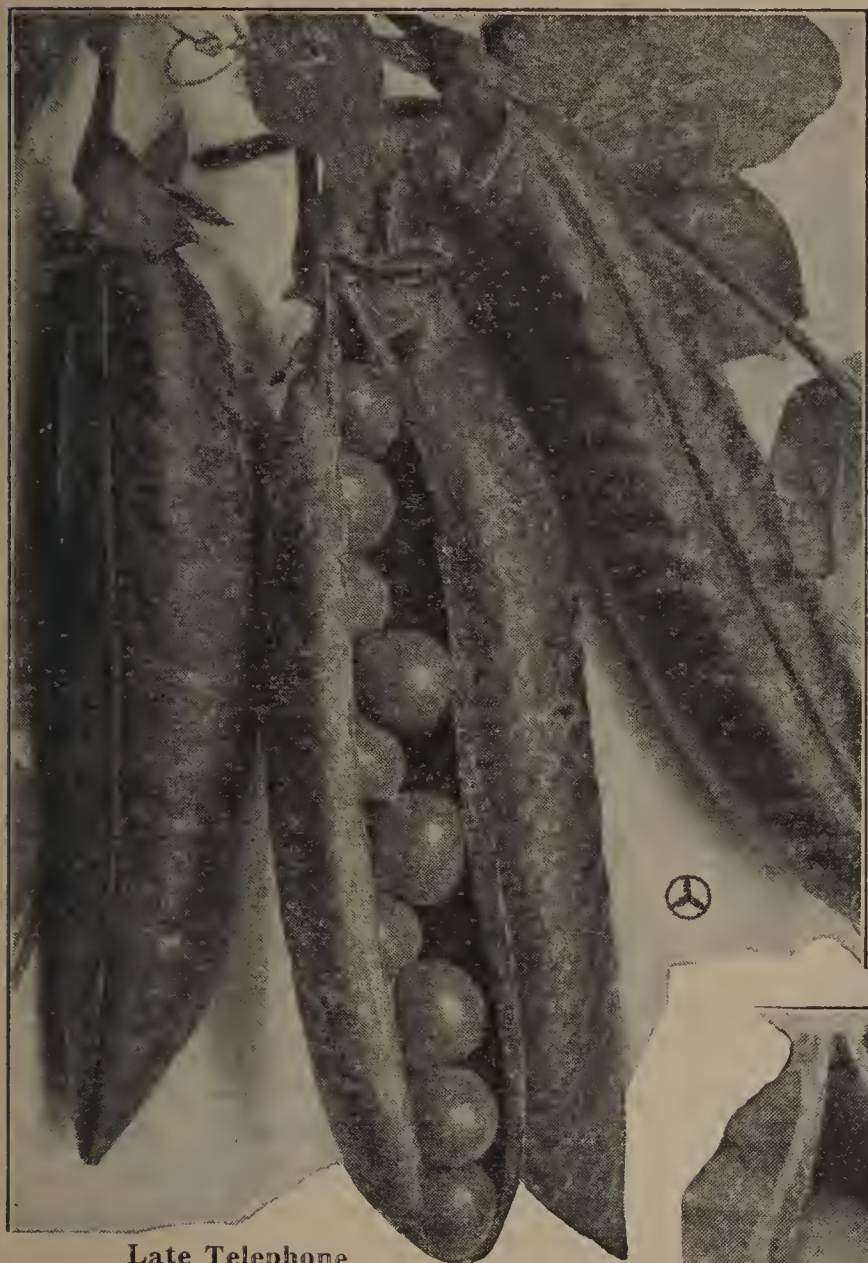
Hamburg or Rooted. (100 days.) Edible white-fleshed roots for soup flavoring, or use like parsnips. May be winter-stored.

Paramount Received Award of Merit in All-America trials. Plants 12 inches tall with spread of 20 inches. Color rich dark green, the texture more uniformly "triple-curved" than any older type.

PARSNIP

CULTURE. One ounce for 200 feet. Sow as early in the spring as the weather will permit, in drills 15 inches apart, covering half an inch deep. When well up thin out to 5 or 6 inches apart in the rows. Take up in fall only enough for winter use, leaving the rest in the ground until spring.

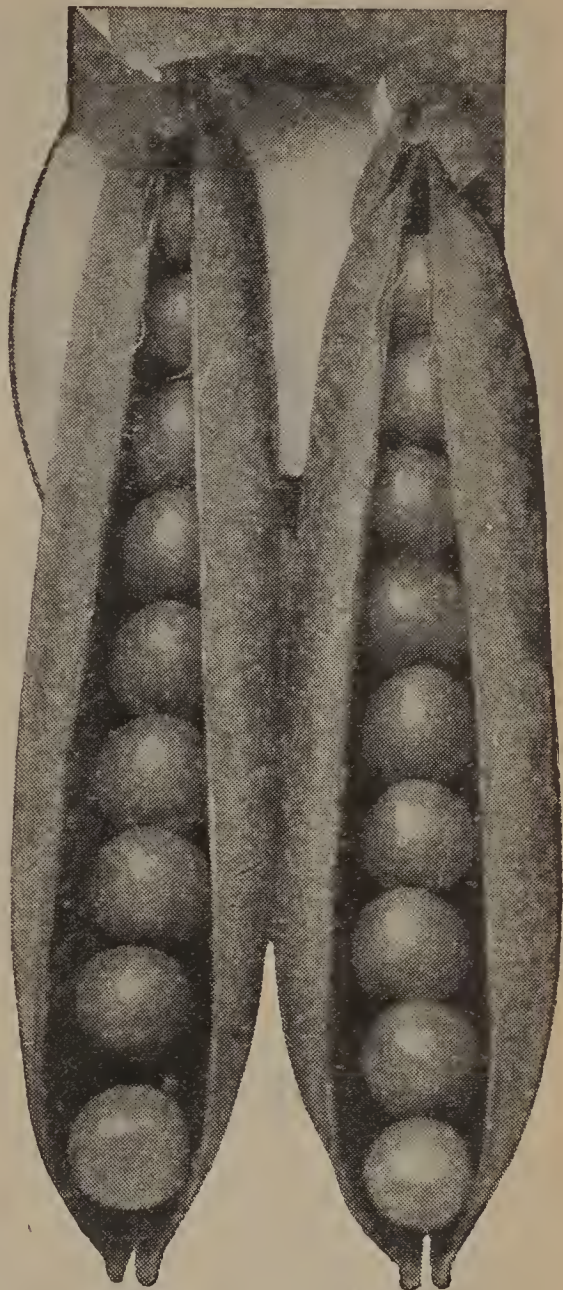
Hollow Crown or Long Smooth. (85 days.) Best variety for general use. Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. 75c.



Late Telephone

PEAS

CULTURE. Peas mature earliest in a light, rich soil; for general crop a moderately heavy soil is best. Commence sowing early varieties as soon as ground can be worked, continue for a succession every 2 weeks until June. Sow the early, second early and late varieties at the same time for a succession. Sow seed 2, 3 or 4 inches deep, according to early, medium or late season, an inch apart; dwarf kinds in rows 2 to 2½ feet apart, 3 to 4 feet for tall kinds. One pound for 100 feet of drill; 110 to 175 pounds for an acre. The wrinkled varieties are more susceptible to cold, wet weather than the small, round, hard sorts, hence should not be planted very early except in warm, dry locations. Brush can be used to advantage on all varieties but the various dwarf growing sorts take care of themselves very well without.



Blue Bantam Peas

PRICES of PEAS

Postpaid	By Express or Fri. (Not Prepaid)
Pkt. \$0.10	
½ lb. .... .20	25 lbs. @ 14c.
1 lb. .... .30	50 lbs. or more
2 lbs. .... .55	@ 13c.
5 lbs. 1.10	See Deductions,
10 lbs. 2.00	page 1.

Extra Early Peas

These earliest varieties may be sown as soon as ground can be worked, usually early in March.

Alaska (Earliest of All). (45 days.) Pods of perfect shape, well filled with smooth peas of unrivaled quality; not very large but the vines are prodigious croppers. Height 2½ feet.

Blue Bantam. (55 days.) The dwarf, vigorous vines average 15 inches in height and carry enormous crops of large deep bluish green pods. These measure 4 to 4½ inches long and are tightly packed with 8 to 10 extra large luscious peas. A great favorite with everybody. Need no brush.

Hundredfold. (50 days.) Bountiful crops of broad, 4-inch pods which hold usually 8 large, dark green peas of wonderfully rich flavor. The vines are sturdy and heat-resisting, averaging 16 inches.

Laxtonian. (50 days.) Dwarf and bushy—about 14 inches—very productive, of 4-inch blunt pods containing 8 to 10 peas of unsurpassed flavor.

Laxton's Progress. (46 days.) The earliest large-podded dwarf pea, an improvement of Laxtonian and 4 days earlier. Pods are 4 inches long, broad and pointed, deep green in color, containing 8 large deep green peas, which are of the most delicious flavor; seed wrinkled.

Little Marvel. (53 days.) Popular with market gardeners because of its extreme earliness and productiveness. The large, plump, dark green pods pack 7 to 8 squarish peas of choice quality. Very dwarf; seed wrinkled.



Laxton's Progress

Nott's Excelsior. (60 days.) This excellent dwarf early pea is robust and vigorous and produces in profusion handsome pods, closely packed with large peas of fine flavor; seed wrinkled.

Thomas Laxton. (50 days.) One of the largest podded of the dwarf peas. Matures with the earliest; of delicious flavor.

World's Record (Improved Gradus). (55 days.) One of the earliest wrinkled peas, very hardy. The vine grows about 2½ feet high. Four-inch pods, broad-pointed, bearing 7 to 9 large luscious peas.

Medium Early Peas

Dwarf Telephone or Daisy. (65 days.) Of dwarf, stocky habit, healthy, vigorous growth, and productive, bearing large, handsome pods and peas of highest quality.

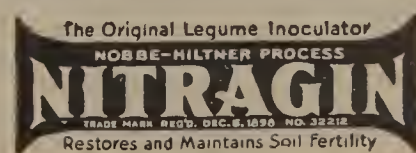
Late or Main Crop Peas

These late kinds may as well be planted with the earlies.

Improved Stratagem (Potlatch). (70 days.) One of the very best dwarf peas; quality unsurpassed. Vines 18 to 20 inches. Loaded with pods and immense dark green peas; seed wrinkled.

Telephone. (70 days.) Height, 3-4 ft. One of the finest tall marrows, vines strong, producing abundantly. The pods are of large size and filled with very large delicious peas. Seed wrinkled.

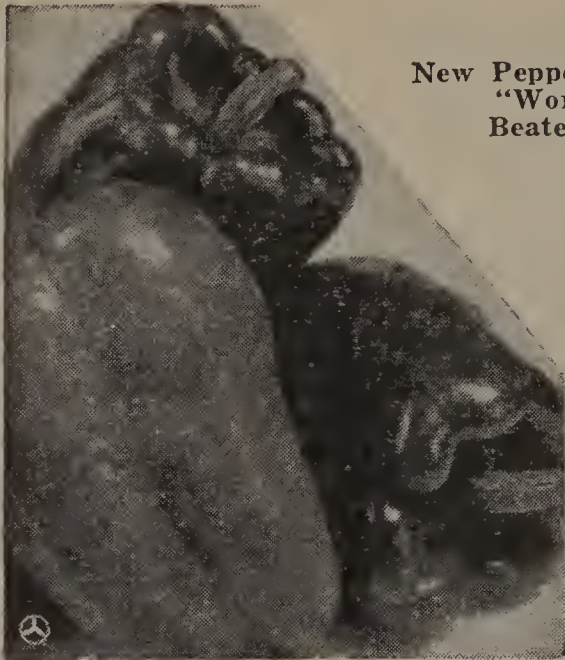
INOCULATE PEAS with



See page 16.



Hungarian
Yellow
Pepper



New Pepper,
"World
Beater"



California Wonder

PEPPERS

PEPPER
CULTURE

Sow in a hot-bed in March, giving plenty of heat and moisture, and transplant to the open ground when the weather is favorable. They may also be sown in the open ground when danger of frost is past.

PRICES OF PEPPERS:					
	Pkt.	½ oz.	Oz.	¼ lb.	Lb.
Bull Nose	..... \$0.10	\$0.20	\$0.35	\$0.75	\$2.25
California Wonder	..... .10	.20	.35	1.00	3.00
Harris Early Giant	..... .10	.20	.35	1.00	3.00
Hungarian Yellow	..... .10	.25	.45	1.25	3.50
Long Red Cayenne	..... .10	.20	.35	.90	2.75
Pimiento	..... .10	.20	.35	.75	2.00
Ruby King	..... .10	.20	.35	.75	2.25
Sunnybrook	..... .10	.20	.35	.75	2.00
White Sweet of Kalocsa	... .15	.40	.75	2.00	....
Windsor "A"	..... .10	.30	.50	1.50	3.75
World Beater	..... .10	.20	.35	.90	2.75

Bull Nose. (100 days.) A standard early sweet variety. Plants very prolific. Fruits 3 to 3½ inches long by 3 inches thick, with almost square ends. Flesh thick and sweet with mildly pungent ribs. Color deep green when young, bright crimson when ripe.

California Wonder Notable for its supreme thickness of flesh, three-eighths of an inch being normal. The fruits are blocky or square-shaped, slightly broader at stem end. Full grown fruits have a breadth of 4 inches and a length of 4½ inches, often weighing a full pound. These sit up securely on a platter, making them ideal to stuff or bake, and pack closely for shipping. Smooth, dark green, ripen bright crimson. Of the finest quality, sweet, crisp and tender, entirely free from pungency.

Harris Early Giant. (100 days.) Four inches high and three inches through; deep green to brilliant red; sweet.

Hungarian Yellow (120 days.) A useful, tasty semi-hot Pepper of great sectional popularity; thick fleshed, 2½ to 4½ inches, the glossy skin a light pearl, maturing canary-yellow.

Pimiento. (120 days.) One of the sweetest and best known Peppers; variously useful.

Long Red Cayenne. (125 days.) The favorite "hot" Pepper. A long, slim pod, rather pointed, bright red when ripe.

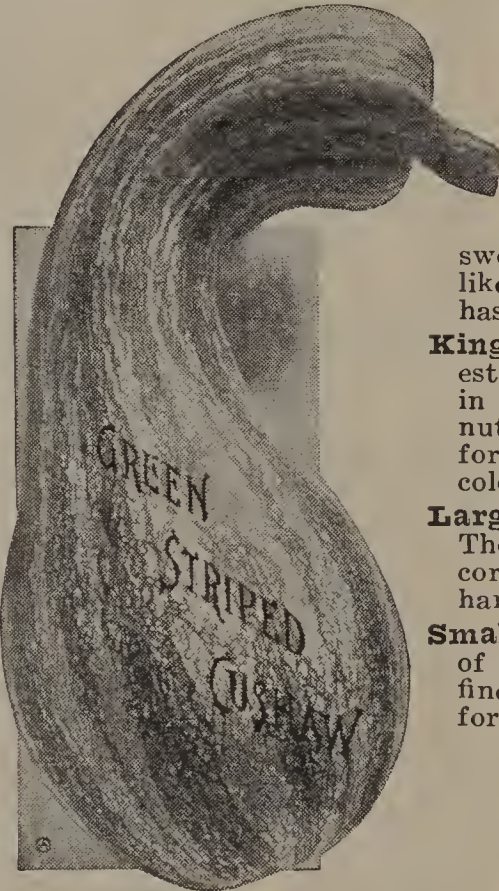
Ruby King. (130 days.) A large variety, ruby-red when ripe; pungent but mild.

Sunnybrook (110 days.) Almost in a class by itself. The smooth, glossy fruits are tomato-shaped, 3 inches wide by 2 inches deep; uniform scarlet-red; the flesh thick, sweet, and tender. Plants 18 to 24 inches high, enormously productive.

WhiteSweet of Kalocsa (110 days.) Imported seed. Strong growing plants, very productive. Fruits 4 to 6 inches long by 3 inches thick, pale yellow. Flesh firm and thick, mild, sweet, and very pleasant. Has been known as "Hungarian Sweet Yellow."

Windsor "A" An All-America Selection for 1937. This is a sweet pepper shaped like Ruby King, with a thick wall like California Wonder, smooth, mostly 3-lobed, light green. Yields tremendously; so early it is valuable for short-season localities.

Thorough and frequent cultivation should be kept up until frost. One ounce will produce about 1500 plants; or one-fourth pound supplies transplants for an acre.



A New Baking Pumpkin

World Beater

(100 days.) A large, new variety, valuable for market gardens and shipping; a cross between Chinese Giant and Ruby King. Plants vigorous, upright and productive. Fruits 4-lobed, smooth; glossy green changing to bright red. Flesh thick, mild and very sweet.

PUMPKINS

CULTURE. Plant in good soil when the ground has become warm, in hills 8 to 10 feet apart each way; or with corn, in about every fourth hill. Three pounds per acre alone or about 1 pound with corn.

PRICE: Pkt. 10c; oz. 15c; ¼ lb. 30c; lb. 80c.

Green Striped Cushaw. (75 days.) A long crooked neck, terminating in a round or oblong end enclosing a very small seed cavity: flesh surrounding seed cavity very thick. Neck is absolutely solid, rivaling finest sweet potatoes for baking; or sliced and fried like eggplant, when young; or as a pie sort, it has no equal.

King of Mammoths (Jumbo). (90 days.) Largest of all the Pumpkins, often reaching 24 inches in diameter, weighing 100 or more pounds. Make nutritious stock feed, yet the quality is excellent for pies. When ripe, the skin is a rich orange color, flesh thick, sweet and yellow.

Large Yellow Connecticut Field. (90 days.) The standard type for field culture, usually with corn. Average 15 to 20 inches diameter; smooth hard, reddish orange, flesh deep orange.

Small Sugar Pie. (65 days.) A prolific variety of small size, skin a deep orange-yellow. It is fine grained, sweet, of a handy 2-pie size, ideal for ready marketing; for family use.



Sugar, or Pie Pumpkin



Early Scarlet Globe

RADISHES

CULTURE. One ounce will drill 100 feet. In drills 10 to 12 inches apart, 10 pounds will seed an acre. The best soil is a warm sandy loam, worked fine and heavily manured. For first crop, sow as early as the ground can be worked; repeating every two weeks for succession throughout the season. Quick, uninterrupted growth is essential for best quality; if they come tough, blame the weather, not the seed.

PRICE All varieties, (except Comet). Pkt. 10c; oz. 15c; 1/4 lb. 25c; lb. 65c; 5 lbs. @ 55c.

Brightest Long Scarlet or Cardinal. (25 days.) Earliest of the long red varieties, roots 4 to 4 1/2 inches long; vivid scarlet, white tip. Excellent alike for forcing, home and market.

Comet. (25 days.) All-America Award of Merit for 1935. A perfect ball-shape, better than the olive-shape of Scarlet Globe, with very small tap roots. Bright scarlet color, solid and edible at a larger matured size than most kinds. Pkt. 10c; oz. 15c; 1/4 lb. 45c; lb. \$1.25.

Crimson Giant. (35 days.) Larger than the other round red Radishes.

Early Round Scarlet. (25 days.) Small, round, red, turnip-shaped, quick.

Early Long Scarlet. (28 days.) 6 to 7 inches long, half out of the ground.

Improved Early Scarlet Globe. (20 days.) Best for forcing and market gardening. Large roundish oval; brilliant red; flesh white, solid, juicy, crisp, and mild. That first welcome red radish the hucksters bring to your door.

French Breakfast. (25 days.) A splendid half-long variety of medium size, crisp and tender, scarlet with white tip. Best texture when small.

Hailstone The quickest maturing White Radish on record. Ready for the table in 15 to 25 days. Perfectly round, an inch in diameter, with snowy white skin and flesh. Crisp and solid.

Icicle. (25 days.) (Long White.) Attains best quality at about 4 inches, although crisp and sprightly longer than any other Radish. Delightful juicy flavor. Its transparent whiteness is attractive on the dish with reds.

Round White Tip Scarlet. (21 days.) Medium size and excellent flavor.



The White "Icicle" Radish

Winter Radishes

Besides their fall excellence, these kinds may be dug late and perfectly preserved for all-winter use as desired, by storing in boxes of dry sand in the cool frost-proof cellar. A favorite usage is to pare, slice, and serve in a weak brine, or in vinegar—like Cucumbers. Sow the seed in July-August; no use earlier.

Long Black Spanish. (72.)

Round Black Spanish. (72.)

California Mammoth White. (65 days.)

SALSIFY Vegetable Oyster

CULTURE. Sow early in spring, in drills 1 foot apart and 1 inch deep, thinning the young plants to 4 inches. The roots will be ready for use in October, when a supply should be taken up and stored in moist sand in a cool room, the balance left in the ground until spring. One ounce to 100 feet.

Mammoth Sandwich Island. (95 days.) White, tender, and of rich "oyster" flavor; boiled, fried or in soup. Pkt. 10c; oz. 25c; 1/4 lb. 65c; lb. \$2.00.

SPINACH

CULTURE. Select rich, well drained, lime-treated soil; the first sowing early in spring and at intervals of 2 or 3 weeks, in drills 1 foot apart. Begin thinning out when leaves are an inch wide. Sow in August and September for early spring use, with winter protection.

PRICE: 1/2 oz. 10c; oz. 15c; 1/4 lb. 20c; lb. 40c.

Bloomsdale Long-Standing Savoy. (42 days.) Compact, intensely dark green, heat resistant; lasts longer than most.

Giant Nobel. (45 days.) Large, smooth, deep green leaves, arrow-shaped with round tip. Popular with canners as well as for home use.

King of Denmark. (45 days.) Leaves very thick, dark green, curled or blistered, in low, compact tufts; early, yet remaining long before running to seed.

Princess Juliana. (New.) Has thick crimped leaves. Stands better than most varieties and long retains its crispness.

New Zealand. (55 days.) Not a true Spinach, but very similar—a stalwart, hard-working country cousin. The leaves are comparatively smaller, but clustered in delicious, tender tufts which may be plucked day after day all summer long. Unlike the others, the plants thrive during hot weather, spread widely, are happy in any garden soil, frequently renewing itself early next spring. Sow about 4 seeds to hills 2 feet apart each way.



French Breakfast Radish



Round White Tip Scarlet



King of Denmark Spinach



New Zealand Spinach



SUMMER SQUASH:
Mammoth Bush
Giant Crookneck



Hubbard Squash Type

SQUASH

PRICE: Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 30c; lb. 90c.

Summer Varieties 1 oz. to 25 hills. Hills 4 feet apart. Sow in warm April.

Early Prolific Straightneck. (All-America Award for '37.) (65 days.) Bushy plants, thus conserving much valuable garden space. A prolific bearer, its straight, smooth, pale cream-colored fruits may be used when only 5 inches long; or safely deferred to the maturity of 14 inches, without loss of its characteristic delightful quality.

Giant Summer Crookneck. (65 days.) Bright yellow.

Mammoth Yellow Bush. (55 days.) An early yellow bush scallop, quite prolific; average size 14 by 4 inches.

Mammoth White Bush. (50 days.) Fruits round, white, deeply scalloped, lobes being in pairs; tender and delicious.

Zucchini. (60 days.) A new sort of the popular Italian Marrow group; fruits nearly cylindrical, straight, medium green with pale green stripes and cream-gray mottling. Plants are bush type; fruits weigh 3 to 4 pounds; flesh firm.

Winter Varieties 1 oz. to 10 hills. Hills 8-10 feet apart. Sow seed in late June.

Delicious. (75 days.) Medium size, dark green, with very thick greenish flesh which cooks dry, of superior flavor.

Table Queen (Acorn). (80 days.) 7 by 5 inches. Smooth, dark green with a red blotch at the pointed end; choice quality. Cut in two, bake and serve in the half-shell.

Hubbard. (110 days.) Skin deep olive-green, flesh orange-yellow. Sweet, keeps through winter; boils or bakes dry.

Blue Hubbard. Resembling the warted Hubbard, but excels it in flavor and dryness. Very large; blue-gray.

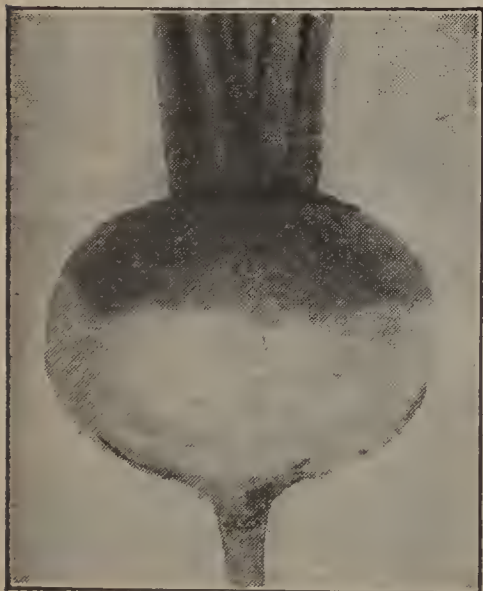
Golden Hubbard. (110 days.) Deep orange, tipped green at each end; flesh golden yellow, of excellent flavor.

Warted Hubbard. The heavily warted, dark green surface ensures a harder shell, and consequent longer keeping.

TURNIPS

CULTURE. Turnips do best in a highly enriched, sandy, gravelly or light loamy soil, in drills 12 to 15 inches apart, thin out early to 6 or 8 inches in rows. Commence sowing the earliest varieties in April, with 2-week intervals until June, sowing for fall and main crop throughout August. One ounce sows 100 feet of drill; 2 lbs. per acre in drills, 12 to 15 inches apart; 1 lb. 2 feet apart.

PRICE: All Turnips, by mail, postpaid, pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 25c; lb. 65c; 5 lbs. @ 55c; 10 lbs. @ 50c. Not prepaid: 25 lbs. @ 35c.



Purple Top White Globe Turnip

Purple Top White Globe. (60 days.) The most popular Turnip grown either for table or stock; an excellent keeper.

Orange Jelly or Golden Ball. (65 days.) A distinct, round yellow variety; one of the finest for family use. Flesh yellow, fine grained, sweet and tender; ideal for winter use.

Improved Purple Top Yellow Rutabaga. (90 days.) Hardy and productive; flesh yellow, sweet and well flavored; shape slightly oblong terminating abruptly; color purple above and yellow under the ground; rich in flavor.

TOBACCO

Sow the seed thinly in well prepared soil, do not cover; merely press them in with a light roller or smooth board.

PRICE: Pkt. 10c; $\frac{1}{4}$ oz. 20c; $\frac{1}{2}$ oz. 35c.

Connecticut Seed Leaf. A popular cigar variety, also largely used for pipe smoking in northern states.

Improved White Burley. The wide-leaved Ky. favorite.



Livingston's
Globe

TOMATOES

One Ounce of Seed
for 3000 Plants

PRICE
ALL TOMATOES
(except Oxheart):
Pkt. 10c; $\frac{1}{2}$ oz. 25c;
oz. 35c; $\frac{1}{4}$ lb. \$1.00;
lb. \$3.00.

CULTURE. Sow in hotbeds during March. When the plants have 4 leaves, transplant 4 to 5 inches apart, in shallow boxes, and give plenty of air.

Pink Skin

Acme. (100 days.) Of spreading growth; producing abundant medium sized fruits of irregular shape, in clusters of three to five. Flesh dark red, fine in texture, slightly acid.

Cleveland Market (Livingston Beauty). A satisfactory midseason market type. Fruits ripen evenly in season and size, are smooth and seldom crack.

Early Detroit. (90 days.) Nearly round; very large size.

Glovel (90 days.) A splendid new pink Tomato produced jointly by U. S. Dept. of Agriculture and Florida Agricultural Experiment Station. Vigorous vine, abundant and continuous fruit-setting habit, long-bearing period, and resistance to fusarium wilt and nail-head rust. Large, thick-walled, firm, globular pink fruits notably free from cracks; of sweet flavor, mildly sub-acid.

Livingston's Globe. (95 days.) Large globe shape, always smooth, firm fleshed. With few seeds and ripens evenly. The color is a fine glossy rose, tinged with purple. One of the best forcing varieties, and one of the first to be shipped north from southern growers.



The Top-Notch New Market Variety—"Rutgers Red"

PINK SKIN TOMATOES — cont.

(See prices on page 14)

Oxheart (120 days.) Like a big ox-heart; of best quality, smooth, pink skin, few seeds. Its supreme qualification is the broken cell structure, and the 1 to 2 inches of solid flesh before a seed is reached. A heavy yielder. Pkt. 10c; ½ oz. 25c; oz. 45c; ¼ lb. \$1.50.

Ponderosa. (110 days). Known and planted by every gardener; immense fruits; very solid, with few seeds.

Truckers' Favorite (100 days.) Flattened, smooth-skinned fruits 3½ by 4 inches thick, attractive for the market. The flesh is meaty, very solid, of excellent quality; good for all uses.

Red Skin Tomatoes

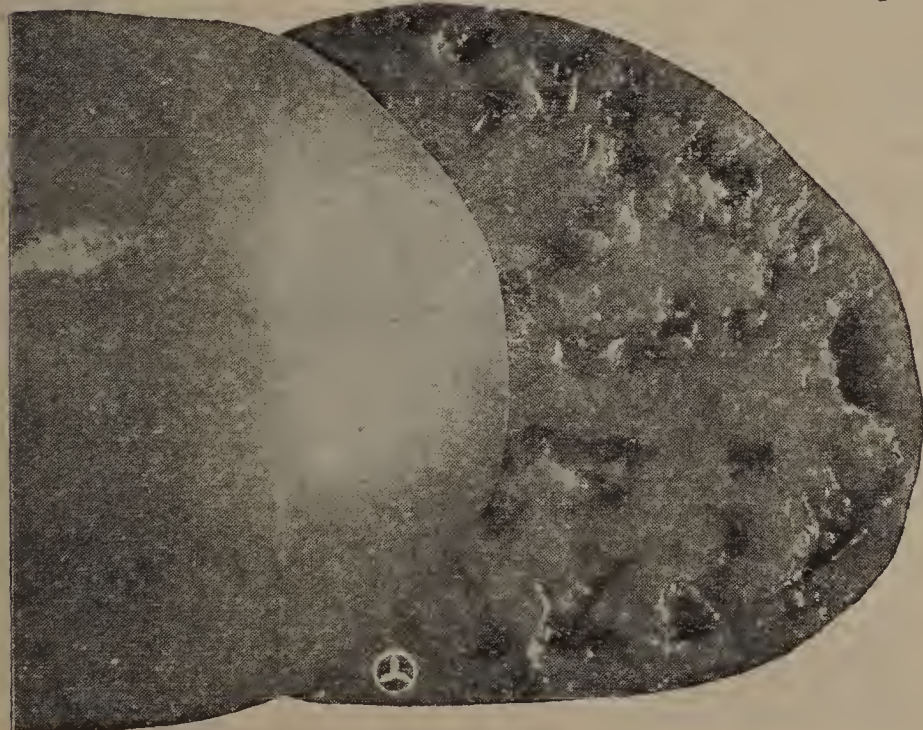
Bonny Best. (88 days). Large, smooth scarlet fruit; thick, with a small core; slices well. Slightly flattened, in clusters of five or six.

Break o' Day (90 days.) Blight resistant; fruit round and smooth as an apple, deep orange-red. Within, the color is deep red, and flesh is very solid, with thick walls.

Earliana. (85 days.) Large size, uniform shape, solid fruit, attractive color and productiveness.

John Baer. (85 days.) Good uniform size, semi-globular, free from core, scarlet-red. Very prolific, ripens evenly; never bursts.

Marglobe (95 days.) The best general purpose kind, a grand shipper, definitely resistant to wilt and rust. Smooth, globular, meaty, almost coreless; deep scarlet; ripens uniformly; no cracking or cracks.



The Popular Truckers' Favorite

Rutgers Red (95 days.) A remarkable New Jersey introduction. A great cropper, yielding 10 to 15 tons to the acre. Fruits outstanding for large size and solid structure. Inclined to roundness, their size and weight flatten the best ones. Brilliant dark red color unscarred by sun-scald (because of efficient leaf protection). Very attractive sliced for the table, or packed in cans.

Their juice has low acidity, and a delicious, tangy flavor. Try Rutgers!

PRITCHARD
"Scarlet Topper"**Pritchard
"Scarlet Topper."**

(85 days.) A scarlet colored, self-topping, disease-resistant, heavily productive variety originated in 1931 at the U. S. Department of Agriculture. Fruits large, smooth, globular, solid, with thick walls and cross sections. A long-distance shipper.

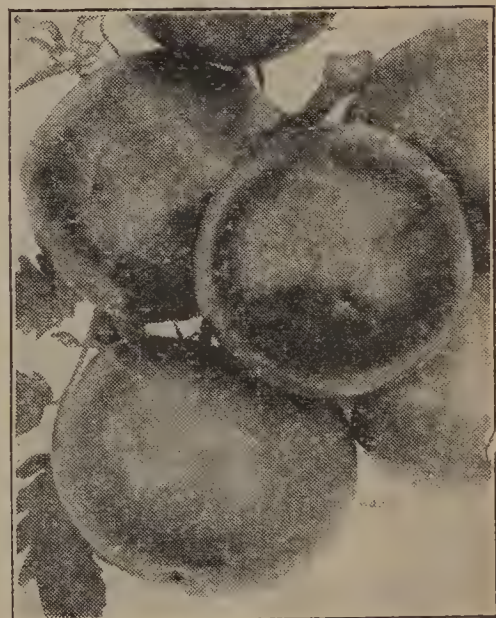
Scarlet Dawn

(85 days.) All-America Gold Medal for 1935. A vigorous and prolific new wilt- and rust-resistant variety. Fruit is globe-shaped, smooth.

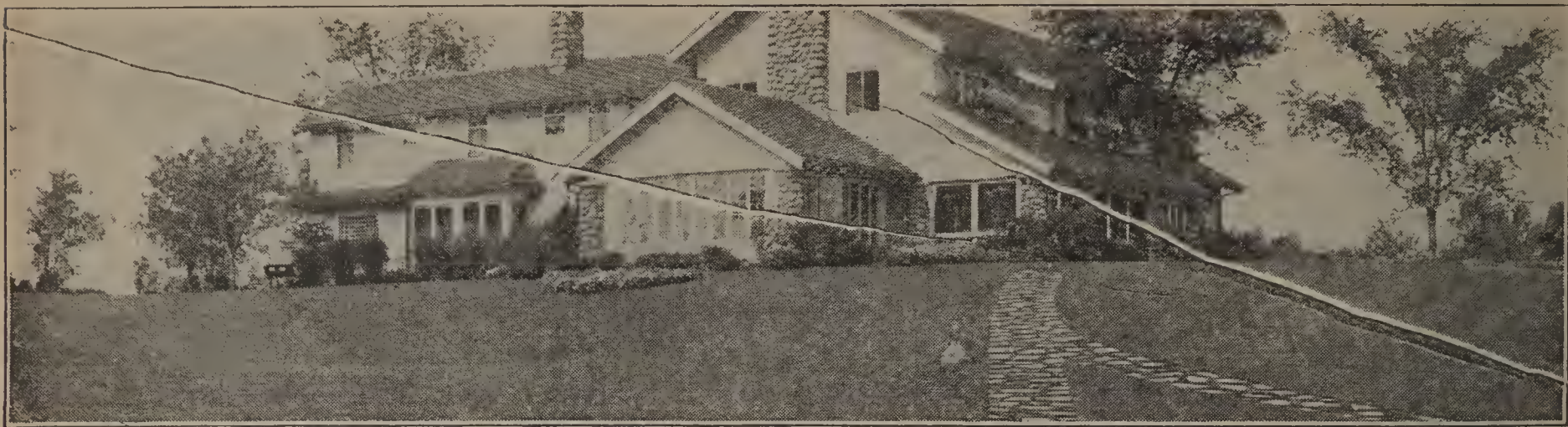
Stone. (110 days.) An old tried and true variety which refuses to be displaced. Perfectly smooth, very large, bright red, ripens evenly, free from rot even in wet weather.

Yellow Skin

Yellow Ponderosa. (110 days.) Identical with Ponderosa in quality and size but produces golden yellow fruits, exceptionally free from acid; most attractive to use in mixed color salads.



Marglobe, The Standard



LAWN GRASS SEED

COMMERCIAL LAWN GRASS MIXTURES are many; and their composition varies materially to meet the price minimums of prospective purchasers. These are too often overloaded with fast growing, quick-effect but short-lived varieties, which at the season's end leave your lawn spotty, weedy and unsatisfactory. We have never tried to compete with the "cheap" offers, either in mixture or in the varying grades of seed units. We pay for fancy selection, highest test and maximum purity. No one kind of grass will make a lawn that will keep green all through the season, but a mixture of several is essential. Our mixtures are well balanced.



S. & H. LAWN GRASS MIXTURES

"Velvet Sod" A mixture of fine dwarf, close growing grasses, that will produce a neat, velvety lawn and permanent sod in a short time. Weight about 25 lbs. to the bushel. 1 pound will seed about 300 square feet; 80 to 100 pounds are required for an acre.

"Shady Lawn" A mixture of fine grasses which grow under the shade of trees or buildings where there is little sun.

VELVET SOD — PRICES — SHADY LAWN			
1/2 lb. — Postpaid	....\$0.25	1/2 lb. — Postpaid	....\$0.30
1 lb. " "	.... .45	1 lb. " "	.... .55
2 lbs. " "	.... .85	2 lbs. " "	.... .95
3 lbs. " "	.... 1.25	3 lbs. " "	.... 1.35
5 lbs. " "	.... 1.80	5 lbs. " "	.... 2.25
10 lbs. " "	.... 3.50	10 lbs. " "	.... 4.25
15 lbs.—Not Prepaid, @	.30	15 lbs.—Not Prepaid @	.40
20 lbs. " "	@ .29	20 lbs. " "	@ .38
25 lbs. " "	@ .28	25 lbs. " "	@ .35
100 lbs.+ " "	@ .27	100 lbs. " "	@ .32

Re-Cleaned Grass Seeds

S. & H. Supreme Quality. Prices not guaranteed.

Creeping Bent (*Agrostis capillaris*). Golf has popularized this thickly rooting, densely creeping grass for putting greens. One pound for 250 sq. ft. By mail, postpaid: Lb. \$1.10; 5 lbs. \$5.00; 10 lbs. \$9.50.

Kentucky Blue Grass Fancy Clean. Conceded the best basis for lawns, extra hardy. By mail, postpaid: Lb. 40c; 5 lbs. \$1.75; 10 lbs. \$3.25. By express or freight: 15 lbs. @ 27c; 25 lbs. @ 26c.

Red Top Fancy. Recleaned seed, 32 lbs. per bushel. Grows well in almost any soil and is very valuable for lawns. 15 lbs. an acre. Lb. 50c; 5 lbs. \$2.00; 10 lbs. \$3.50, postpaid.

Imported Italian Perennial Rye Grass. A nutritious, quick-growing grass for lawns, meadows and pastures. It does well on sloping banks, as its roots are fibrous and mat-like. Lb. 30c; 5 lbs. \$1.25; 10 lbs. \$2.25, postpaid.

Domestic Perennial Rye Grass. Rapid, but lighter. Lb. 25c; 5 lbs. \$1.25; 10 lbs. \$2.25, by mail postpaid. By express or freight, not prepaid: 25 lbs. or more @ 16c.

Hard Fescue. For golf links, tennis courts, etc.; will resist droughts. (75 lbs. per acre). Lb. 70c; 5 lbs. \$3.25, postpaid.

Chewing's Fescue. (Fresh New Zealand Grown). A perennial with fine blade and spreading root system; drought resistant, valuable in sandy soils; good in shade. Much used on golf courses. Lb. 95c; 5 lbs. \$4.50; 10 lbs. \$8.50, postpaid.

Meadow Fescue or "English Blue Grass." A thrifty type for pasture and hay, growing 2 to 3 feet high, not in tufts, with very deep sustaining roots. (24 lbs. per acre). Lb. 40c; 5 lbs. \$1.75; 10 lbs. \$3.00, postpaid.

Poa Trivialis (Rough Stalked Meadow Grass). A fibrous rooted perennial of quick growth and productiveness, continuous green from early spring until late fall, in shaded situations impossible for other kinds.

By express or freight, not prepaid: 15 lbs. @ 40c. Lb. 70c; 5 lbs. \$3.25; 10 lbs., \$6.25, postpaid.

Sweet Clover (White Blossom). (*Melilotus alba*). The most beneficial crop for building up worn-out land. Makes fine pasture for bees and quality hay when seeded alone. 20 to 30 pounds are required per acre. Lb. 30c; 5 lbs. \$1.50; 10 lbs. \$2.25, postpaid.

By express or freight, not prepaid: 25 lbs. or more @ 19c.

White Dutch Clover Excellent for lawns in mixtures with grasses. A good pasture Clover. Sow at the rate of 6 to 8 pounds per acre.

Lb. 75c; 5 lbs. \$3.50; 10 lbs. \$6.75, postpaid.

By express or freight, not prepaid: 25 lbs. or more @ 60c.

Timothy 40 lbs. per acre. Quantity lots quoted.

Lb. 30c; 5 lbs. \$1.00; 10 lbs. \$1.80, postpaid.

By express or freight, not prepaid: 25 lbs. @ 12c.

INOCULATE!



NITRAGIN is a granular, MOIST soil-like culture packed in tins. Directions for use on every can.

Guaranteed for 1 year; every package stamped with expiration date, also Germ count when packed.

Culture "A"—Alfalfa, all Sweet Clovers, including Hubam and Bur Clover.

Culture "B"—Clovers—Red, Mammoth Red, Alsike, Crimson, and White Dutch.

Culture "C"—Field and Garden Peas, Vetches (all kinds) Broad Bean, Sweet Peas, Perennial Peas.

Culture "D"—Field, String, Snap, and Wax (including Navy, Kidney and Scarlet Runner) Beans.

Culture "E"—Cow Peas, Lima Beans, and Kudzu.

Culture "S"—Soy Beans (all types).

PRICES on above Cultures, POSTPAID

Culture A, also Culture B:

1/2 bu. size—inoculates 30 lbs. of seed ...\$0.30

1 bu. size—inoculates 60 lbs. of seed50

Culture C, also Culture D:

1/2 bu. size—inoculates 30 lbs. of seed25

1 bu. size—inoculates 60 lbs. of seed40

Culture E, also Culture S:

1 bu. size—inoculates 60 lbs. of seed .. .30

2 bu. size—inoculates 120 lbs. of seed .. .50

5 bu. size—inoculates 300 lbs. of seed .. 1.00

Garden Size Nitragin

For Peas, Beans, Lupines, and Sweet Peas. Inoculates any amount up to 4 pounds of seed.

10¢

Remember

Legumes **NOT** Inoculated are "SOIL ROBBERS"
Legumes **WELL** Inoculated are "SOIL BUILDERS"

FLOWER SEED

S. & H. SUPERIOR STRAINS

FLOWERS are easily raised from seeds. The seeds we offer are the products of the best American and European growers; no better strains available. Complete directions for sowing are printed on each packet.

In sowing, be very careful not to cover seed too deep!

CLASSIFICATION: Known as Annuals, Biennials† and Perennials*.

Annuals bloom and ripen seed the first year, then perish.

Biennials† seldom bloom the first year, but attain perfection the second.

Perennials* flower several years in succession, and are used for permanent plantings. Many bloom the first year from seed sown early.

WHEN TO SOW SEED:

Hardy Perennials and Biennials may be sown either fall or spring.

Hardy Annuals may be sown either in late fall or spring. But no spring sowing of any class should be done until frost is past and the ground mellow.

A TABULATED LIST of all Flower Seeds, with prices, on pages 18 and 19.

SPECIAL MARKS: Biennials†; Perennials*; Good Cut Flowers†.

PRICES are for delivery by mail postpaid.

PLANTS of Hardy Perennials are offered on pages 34 to 51.

Novelties in Seeds

4 OUTSTANDING "ALL-AMERICA" ITEMS.
MANY OTHERS FOLLOW

Scarlett O'Hara The Only Red Morning Glory.
The Newest Ipomoea.
Gold Medal Winner.

Awarded the All-America Selections Gold Medal for 1937, but not released to trade until 1938. There is no other morning glory at all like it. The flower—only slightly smaller than the giant "Heavenly Blue"—opens with the others at sunrise, but stays awake far into afternoon (while they are curled up in sleep.) Also, its clear self-color, a bright carnation-red or carmine, has never heretofore appeared in this class. Its foliage is considerably different; each leaf with one large and two small side lobes. We heartily recommend this astonishingly distinct introduction for your spring-to-fall enjoyment. Pkt. 25c.



Scarlett O'Hara—New Red Morning Glory



Early Giant Light Blue — China Aster

Good

"News"

for

1939

New Wilt-Resistant CHINA ASTER
Early Giant Light Blue Silver Medal.

Five-inch flowers, big and lacy with narrow curling petals, earliest of the giant class, on 3-ft. branching stems. The color is clear light blue, popular for vases, and showy in the garden. Pkt. 25c.

NEW BUSH MARIGOLD
Early Sunshine Bronze Medal.

This new marigold is the result of much effort to improve the charming Dixie Sunshine strain, so that it can mature earlier in northern latitudes. The All-America judges agreed that this strain is worthy of adoption. It is dwarf and bushy, about 24 inches. The flowers are 2 to 2½ inches wide, lemon or sulphur-yellow, with nicely incurved petalage. One of the very earliest to bloom. Pkt. 25c.

A NEW SCABIOSA
Blue Moon Beehive Shape.
Honorable Mention.

This fine new variety gets away from the conventional "pincushion" type of flower, making a solid, even formation like a beehive. The color is deep lavender-blue. Plants attain 3 to 4 feet, broadly pyramidal, supporting a vast amount of choice cut flowers in a season. Pkt. 25c.

Advance Notice

We feel justified in calling your special attention to a few quite new and desirable items occurring on pages 20 to 33, inclusive: **Ageratum Fairy Pink**, page 20; **Queen's Bouquet Asters**, page 21; **Double Bush-Flowering Balsam**, page 22; **Celosia (Globe Shape) Flame of Fire**, page 23; **Cuphea Firefly**, page 24; **Hunnemannia Sunlite**, **Russell Lupins** and **Ipomoea Heavenly Blue**, page 27; **Marigolds: Burpee Gold and Dwarf Royal Scot**, and **Nierembergia**, all on page 28; **Tahoka Daisy**, page 32; **Zinnias: Giants of California**, **Scabiosa-Flowered**, and **Tom Thumb**, page 33.

In a Hurry?

Well, pages 18-19 give you names and prices at a glance. Succeeding pages repeat, with full description and some illustration, including Hardy Perennials distributed in order, marked (*).

Annuals	Except noted, pkt. 10c.		1/8 oz.	1/4 oz.		1/8 oz.	1/4 oz.
AGERATUM—Blue Perfection	\$0.20	\$0.30					
—Ball Blue .....	.20	.35					
—Fairy Pink .....	.75	1.25					
ALYSSUM—Little Gem ..		.20					
—Sweet	1/2 oz., 15c						
ANCHUSA—Blue Bird ..	.15	.25					
ANTIRRHINUM (Snapdragon). Rust-proof.							
—Majus grandiflorum Mx.	.20	.35					
—Maximum Mixed .....	.20	.35					
—Copper Shades .....	.50	.85					
—Loveliness .....	.50	.85					
—nanum medium Mixed	.20	.35					
ARCTOTIS—grandis.							
..... 1/2 oz., 35c		.20					
—Mixed Hybrids .....	.50	.90					
ASTERS (marked WR if wilt-resistant):							
—All-Double. WR. Mixed	.25	.40					
—California Giants. WR	.30	.50					
—Crego Mixed. WR .....	.20	.35					
—Early Giant Light Blue (China Aster). WR.							
..... Pkt. 25c							
—Early Royal Mx. WR	.30	.50					
—El Monte. WR .....	.30	.50					
—Extra Ey. Exp. Mx. WR	.20	.35					
—Giant Calif. Sunshine Mixed .....	.35	.60					
—Heart of France. WR ..	.35	.60					
—King Type Mixed. WR	.20	.35					
—Late Branching. WR.							
—Mixed .....	.20	.35					
—Los Angeles .....	.30	.50					
—Queen's Bouquet Mixed. WR .....	.35	.60					
—Queen of the Market. WR. Mixed .....	.20	.35					
BACHELOR BUTTON							
—Jubilee Gem .....	.30	.50					
—Double Blue .....	.20	.35					
—Double Mixed .....	.20	.35					
BALSAM—Gt. Dbl. Camellia Mixed.							
..... 1/2 oz., 35c.		.20					
—Dbl. Flwd. Mixed .....	.25	.40					
BEGONIA—Luminosa.							
..... Pkt., 25c							
..... 1/128 oz., 85c							
—Prima Donna.. Pkt., 25c							
..... 1/128 oz., \$1.00							
CALENDULA—Ball's Florist Strain.							
..... 1/2 oz., 35c		.25					
—Ball's Gold .. 1/2 oz., 35c		.25					
—Orange Shaggy.							
..... 1/2 oz., 25c		.15					
—Orange King. 1/2 oz., 25c		.15					
—Orange Fantasy .....	.25	.40					
—Choice Mixed.							
..... Oz., 40c; 1/2 oz., 25c		.15					
CAMPANULA—Annual							
—Choice Mixed .....	.30	.40					
CANDYTUFT—Annual							
—Pink	1/2 oz., 35c	.20					
—Giant Hyacinth fld.,							
—White	Oz., 75c	.25					
—Fine Mixed Oz., 45c		.15					
CARNATION—Marguerite Mixed .....	.20	.35					
CELOSIA							
—Chinese Woolflower ...	.20	.35					
—Plumosa, Tall Mixed ..	.20	.35					
—Pyramidalis (Flame of Fire)	Pkt., 25c	.75	1.25				
CENTAUREA							
—Gymnocarpa .....	.20	.35					
—Imperialis .....	.20	.35					
CHRYSANTHEMUM—							
—Annual D. & S. Mixed	.20	.35					
CINERARIA—Maritima		.20					
..... 1/2 oz., 35c		.20					
COLEUS—Hybrids Mx.							
..... 1/16 oz., 50c	.75						
COREOPSIS—Tall							
—Single Mixed .....	.20	.35					
COSMOS							
—Giant Fancy Mixed							
..... 1/2 oz., 25c				\$0.15			
—Mammoth Early Flwg.,							
—Mixed	1/2 oz., 25c		.15				
—Double Crested, Mx. ...	.20	.35					
—Orange Flame Hybrids	.20	.35					
—Sensation .....	.25	.40					
CUPHEA—Firefly .....	.50	.90					
CYNOGLOSSUM							
—Amabile .....	.15	.25					
DAHLIA—Double Mixed	.25	.40					
—Unwin's Dwarf Hybrids, Mixed .....	.30	.50					
DATURA—Angel's Trumpet .. 1/2 oz., 25c		.15					
DIANTHUS							
—Pinks, Choice Dbl. Annual Mixed .....	.20	.35					
—Sweet Wivelsfield, Mx.	.25	.40					
DIDISCUS—Coeruleus (Blue Lace Flower)	.20	.35					
DIMORPHOTHECA (African Daisy) Mx.	.25	.35					
ESCHSCHOLTZIA (Calif. Poppy) Mixed							
..... 1/2 oz., 40c		.25					
EUPHORBIA							
—Variegata .....	.20	.35					
FOUR O'CLOCK							
—Mixed. 1 oz., 15c; 1/4 lb., 35c; 1 lb., \$1.00							
GAILLARDIA—Picta Lorenziana, Mixed ...	.15	.25					
GOETIA—Fine Mixed ..	.20	.35					
GOMPHRENA							
—Mixed. 1/2 oz., 20c; oz., 35c							
GOURDS—							
—Large, Mixed							
—Small, Mixed							
—Both, 1/2 oz., 20c; oz., 35c							
GYPSOPHILA—							
—Elegans							
—London Market							
—Both, 1/2 oz., 15c; oz., 25c							
HELICHRYSUM (Strawflower) Mixed							
..... 1/2 oz., 25c; oz., 40c							
HELIOTROPE—							
—Lemoine's Giant Hybrids, Mixed .....	.30	.50					
HONESTY (Lunaria) Mixed .....	.20	.35					
HUNNEMANNIA							
—Sunlite .....	.50	.85					
IPOMOEIA (Vines)							
—Cardinal Climber .....	.20	.35					
—Grandiflora (Moonflower) .....	.20	.35					
—Heavenly Blue .....	.20	.35					
—Scarlett O'Hara. Pkt., 25c							
KOCHIA (Summer Cypress) .. 1/2 oz., 25c		.15					
LARKSPUR (Annual Delphinium) Giant Hyacinth Flwd. Dark blue .....	.25	.40					
—Mixed .....	.20	.35					
—Exquisite Pink .....	.25	.40					
—Newport Scarlet .....	.25	.40					
—Rosamond, Tall Dbl. ...	.25	.40					
—Imperial Rose King ...	.30	.45					
—Imperial White King ..	.30	.45					
LUPINE—Hartwegi Mx.	.15	.25					
MARIGOLD							
—Burpee Gold .....	.25	.40					
—Crown of Gold .....	.25	.40					
—Double African							
—Dwarf Mxd. 1/2 oz., 35c		.20					
—Tall Mixed. 1/2 oz., 35c		.20					
—Gigantea Sunset							
—Giants. Mixed .....	.25	.40					
—Early Sunshine. Pkt., 25c							
—Giant Yellow Supreme	.35	.50					
—Guinea Gold .....	.20	.35					
—Dwarf French		.15					
—D. & S. Mixed							
..... 1/2 oz., 25c		.15					
—Harmony .....	.20	.35					
—Legion of Honor		.20					
..... 1/2 oz., 35c		.20					
—Dwarf Royal Scot,							
—All Double. Pkt., 15c							
MARIGOLD							
—Signata Pumila	\$0.20	\$0.35					

Annuals

Except noted,
pkt. 10c.

	1/8 oz.	1/4 oz.
—Concluded from page 18.		
SALVIA—America	\$0.45	\$0.75
—Blue Bedder .....	.60	1.00
—Splendens .....	.20	.35
SAPONARIA—Vaccaria		
Rosea .....	.15	.25
SCABIOSA		
—Double Mixed .....	.20	.35
—Blue Moon	Pkt. 25c	
—Peach Blossom .....	.20	.35
—Rosette .....	.30	.50
SCHIZANTHUS—		
Hybridus Grfl. Mixed	.20	.35
STATICE (Sea Pinks)		
—Sinuata Mixed .....	.15	.25
STOCKS—Double Giant		
Perfection Mixed ....	.25	.40
—Dwarf Dbl. Ten Weeks	.30	.50
SUNFLOWER—Dbl.		
Chrys. flwd. ... Oz. 60c		.20
—Large Russian.. Oz. 10c		
—Purpureus	Oz. 35c	.15
SWEET PEAS	1/2 oz.	oz.
—Charity .....	.15	.25
—Constance Hinton .....	.15	.25
—Blue Reflection .....	.15	.25
—Heather Bell .....	.20	.35
—Hercules .....	.20	.35
—Scarlet Welcome .....	.15	.25
—Shirley Temple .....	.20	.35
—Snow Storm (Imp'd.)..	.20	.35
—Early Sunrise Mixed...	.10	.15
—Spencer Mixed .....	.10	.15
—Sunset Mixed .....	.10	.15
TAHOKA DAISY	1/8 oz.	1/4 oz.
1/16 oz. 40c	.70	
TITHONIA—Speciosa ...	.25	.40
TORENIA—Fournieri ...	.35	.60
VERBENA—Beauty of		
Oxford Mixed .....	.35	.60
—Mammoth Flwd. Mixed	.15	.25
WALLFLOWER—Early		
Wonder Dbl. Mixed..	.30	.50
ZINNIAS		
—Dahlia-Flowered—		
Mixed	Oz. 75c	.15 .25
—Double Pompon Mixed	.20	.35
—Fantasy Mixed .....	.20	.35
—Giant Picotee Mixed ...	.20	.35
—Giants of California		
Mixed .....	.25	.40
—Gypsy .....	.25	.40
—Linearis .....	.40	.70
—Lilliput Pastel Shades		
Mixed .....	.30	.50
—Navajo Mixed .....	.35	.60
—Red Riding Hood .....	.20	.35
—Scabiosa Flwd. Mixed..	.25	.40
—Spun Gold .....	.25	.40
—Star Dust .....	.25	.40
—Tom Thumb Mixed ....	.35	.60
—Zebra Mixed .....	.20	.35
Annual Color Rict,	1/2 oz.	oz.
Mixed .....		.25
Annual Rock Garden,		
Mixed .....	.35	.60

How Many Plants
for a Circular Bed?

Formula for computing number of plants in each row of a circular bed. First, establish the outside line for setting the roots of plants. Radius (in inches) $\times 6 \frac{1}{3} \div$ Interval = plants. Each interior row requires 6 plants less than the next larger circle. Compute outer row first.



HARDY PERENNIAL SEEDS			*Segregated here for your convenience in selection of seeds for an all-perennial garden section. Descriptions and illustrations are distributed in alphabetical order with the annuals, on next succeeding pages, each perennial variety designated by this (*) mark.		
	1/8 oz.	1/4 oz.		1/8 oz.	1/4 oz.
AGROSTEMMA—			FOXGLOVE (Digitalis)		
Coronaria. Crimson..	\$0.20	\$0.35	—Gloxinoides Mixed	\$0.15	\$0.25
—Coronaria Alba. White	.20	.35	—Giant Shirley Mixed ...	.30	.50
ALYSSUM			GAILLARDIA		
—Saxatile Compactum...	.20	.35	(Blanket Flower)		
—Montanum .....	.60	1.10	—Dazzler .....	.35	.60
ANCHUSA—Dropmore ..	.15	.25	—Goblin (dwarf) .....	.60	1.10
ANTHEMIS—Kelwayi ..	.15	.25	—Grandiflora Superba ...	.15	.25
AQUILEGIA (Columbine)			GEUM—Mrs. Bradshaw..	.30	.50
—Chrysantha. Yellow ..	.25	.40	—Lady Stratheden .....	.30	.50
—Chrysantha Alba. White	.25	.40	GYPHOPHILA		
—Double Deep Blue .....	.50	.80	(Baby's Breath)		
—Double Mixed .....	.20	.35	—Paniculata .....	.15	.25
—Dobbies Hybrids Mixed	.50	.90	HELIOPSIS—Excelsa ...	.20	.35
—Golden Columbine .....	.50	.80	HESPERIS—Matronalis	.15	.25
—Longissima. Extra long			HIBISCUS		
spur	1/64 oz. 65c		(Mallow Marvels)		
1/32 oz. \$1.25			—Red .....	.15	.25
—Long Spur Blue .....	.85	1.50	—Mixed .....	.15	.25
—Long Spur Mixed			HOLLYHOCK		
Hybrids—Mrs. Scott			—Chater's Double Mixed	.20	.30
Elliott's strain) ..	.50	.90	—Mammoth Fringed		
ARABIS—Alpina .....	.20	.30	(Single) (Allegheny)		
CAMPANULA			Mixed .....	.20	.30
—Calycanthema Mixed ..	.20	.35	—Triumph Mixed .....	.20	.30
—Medium, Single Mixed.	.20	.35	IBERIS (Candytuft)		
—Medium, Double Mixed	.20	.35	—Gibraltarica .....	.20	.35
CENTAUREA—Montana	.20	.35	—Queen of Italy .....	.20	.35
CERASTIUM			—Sempervirens. White ..	.20	.35
(Snow-in-Summer)			LINUM (Flowering Flax)		
—Tomentosum .....	.15	.25	—Perenne. Blue .....	.15	.25
CHEIRANTHUS			LUPINE		
(Siberian Wallflower)			—Polyphyllus Mixed ....	.15	.25
—Allioni .....	.15	.25	—Russell Hybrids Mixed		
COREOPSIS—Lanceolata			10 seeds \$0.15		
Grandiflora.. 1/2 oz. 25c		.15	24 seeds .25		
DAISY—English, Mixed.	.25	.40	80 seeds .65		
—Shasta .....	.15	.25	200 seeds 1.25		
DELPHINIUM			500 seeds 2.50		
(Larkspur)			LYCHNIS—Chalcedonica	.15	.25
—Belladonna. Light Blue	.30	.50	MATRICARIA (Fever-		
—Bellamosa, Dark Blue	.30	.50	few)		
—Blackmore & Langdon's			—Eximia. Double white	.25	.40
Hybrids .....	.50	.90	—Golden Ball. Yellow	.25	.40
—Gold Medal Choice			PERENNIAL PEA		
Hybrids .....	.30	.50	—Lathyrus Latifolius		
—Wrexham Choice			Mixed .....	.15	.25
Hybrids .....	.50	.90	PHLOX		
—Iceberg, White.....	.50	.90	—Hardy Perennial Mixed	.30	.50
DIANTHUS			PLATYCODON		
(Hardy Pinks).....			(Balloon Flower)		
—Alpinus Allwoodi			—Mariesi .....	.30	.50
1/32 oz. 50c			—Grandiflora Mixed ....	.25	.40
1/16 oz. 95c			POPPY		
—Deltoides (Maiden			—Orientale. Orange-scar-		
Pink) .....	.15	.25	let .....	.20	.35
—Plumarius, Rose Queen	.60	1.00	—Orientale Hybrids Mxd.	.15	.25
—Plumarius			—Iceland Mixed .....	.15	.25
Semperflorens .....	.15	.25	—Iceland Sanford		
—Barbatus (Sweet			Giants Mixed .....	.25	.40
William):			PYRETHRUM		
—Barbatus, Blood-red ..	.20	.35	(Painted Daisy)		
—Barbatus, Newport Pink	.20	.35	—Roseum (Single) Mxd.	.25	.40
—Barbatus, Scarlet			—Roseum (S.&Dbl.) Mixed	.30	.50
Beauty .....	.20	.35	ROCK GARDEN		
—Barbatus, White Giant	.20	.35	PERENNIALS, Mxd.	.30	.50
—Barbatus, Double Fine			RUDBECKIA		
Mixed .....	.20	.35	—Newmanni .....	.20	.35
DICENTRA (Bleeding			—Purpurea .....	.20	.35
Heart—Eximia .....	.50	.90	STOKESIA—Cyanea .....	.25	.40
FORGET-ME-NOT			VERBENA—Venosa .....	.40	.75
(Myosotis)			VERONICA—Incana ....	.40	.75
—Palustris. Blue .....	.25	.40	VIOLAS—Mixed .....	.20	.35
			YUCCA—Filamentosa ...	.15	.25



General Assortment of FLOWER SEED



Ageratum



Sweet Alyssum

AGERATUM

Little fluffy, bristly balls of color in sizeable clusters, liberally supplied from early summer until autumn. Being low and compact, they are mainly utilized for edgings or narrow borders.

Ball Blue. The best dwarf type; 6 in. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Blue Perfection. Deep amethyst-blue. 12 in. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 30c.

Fairy Pink. Delightful soft salmon-rose color; very noticeable when used for a five-inch edging around garden beds. Very compact, very free, very early. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. \$1.25.

*AGROSTEMMA

***Coronaria** (Rose of Heaven). 2½ ft. A flashy contrast plant; with solitary phlox-like flowers of brightest crimson, set off against silver-white foliage on upright stalks.

—Alba. A pure white flowered form. Both: Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

ALYSSUM

Little Gem. A perfect "carpet of snow" 4 inches in height, spring until late fall. Pkt. 10c; $\frac{1}{4}$ oz. 20c; $\frac{1}{2}$ oz. 30c; oz. 50c.

Sweet Alyssum. White; 6 in. high; fragrant. Pkt. 10c; $\frac{1}{2}$ oz. 15c; oz. 25c; $\frac{1}{4}$ lb. 60c.

***Montanum.** Low, compact; gray leaves of varying shape, the fragrant, clustered flowers bright yellow. Pkt. 10c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.10.

***Saxatile Compactum** (Golden Tuft). A very early, yellow, creeping rock plant. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.



Giant Snapdragons

†ANTIRRHINUM [Snapdragon]

All Rust-Proof Strains

Rich and diverse colors, great freedom and protracted blooming season; valuable for color masses, as well as for cutting. They have dark glossy leaves and pea-shaped flowers with uniquely marked throats, set densely in long, upright racemes. They bloom in July from seed sown outdoors in early May; but for earlier bloom seed should be started indoors during March.

†GIANT TALL SNAPDRAGONS

Maximum. 3 feet. This large flowering group surpasses all other varieties. They are tall growing, with flowers of magnificent size, closely placed on the spikes.

Copper Shades. Very rich.

Loveliness. Soft rose-pink.

Both: Pkt. 10c; $\frac{1}{8}$ oz. 50c; $\frac{1}{4}$ oz. 85c.

Maximum Finest Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

†TALL SNAPDRAGONS

Majus grandiflorum. About 2 feet. A splendid mixture of colors—white, various shades of pink, yellow to orange, and all red shades. All kinds together.

Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

†HALF-DWARF SNAPDRAGONS

Nanum Medium Mixed. Of stocky growth with magnificently colored, very large spikes of flowers. Far superior to tall varieties for bedding as they are more compact and having fully as large flowers.

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

ANCHUSA

Blue Bird (Summer Forget-me-not). 18 inches. A new, compact type; flowers indigo-blue, produced freely all summer.

***Dropmore.** Grows bushily to 4 or 5 feet with broad rough foliage. Breaks out all over with showy clusters of deep gentian blue, in spring an almost solid mass of color, with intermittent flashes throughout the summer.

Both: Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

*ANTHEMIS

Kelwayi. 2 ft. Golden yellow daisies (Marguerites), in profusion all summer.

Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

†*AQUILEGIA - Columbine

Deep cut, round-lobed foliage and nodding flower stems, expressing many lovely shades of color, graceful, airy and distinctive. They are used liberally in low borders to offset any appearance of formality; and provide an unfailing succession of cut flowers, well into summer. *Hardy.

Chrysantha. Pure, bright yellow; late.

Chrysantha Alba. Pure white form.

Both: Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

Deep Blue. Bulky, semi-double, short spurs. Pkt. 10c; $\frac{1}{8}$ oz. 50c; $\frac{1}{4}$ oz. 80c.

Dobbies Imperial Hybrids. English, notable for size, long spurs, and wide range of colors. Pkt. 10c; $\frac{1}{8}$ oz. 50c; $\frac{1}{4}$ oz. 90c.

Golden Columbine. Conspicuous; rich golden yellow.

Pkt. 10c; $\frac{1}{8}$ oz. 50c; $\frac{1}{4}$ oz. 80c.

Longissima. 3 ft. Nodding flowers gleaming canary-yellow, with 5-inch spurs.

Pkt. 10c; $\frac{1}{64}$ oz. 65c; $\frac{1}{32}$ oz. \$1.25.

Long-Spur Blue Shades. Selected. Pkt. 10c; $\frac{1}{8}$ oz. 85c; $\frac{1}{4}$ oz. \$1.50.

Mrs. Scott Elliott's Long Spurred Hybrids. A choice mixture of extra long-spurred varieties in blue, lavender, purple, mauve, pinks, yellows, white.

Mixed. Pkt. 15c; $\frac{1}{8}$ oz. 50c; $\frac{1}{4}$ oz. 90c.

Mixed Double Aquilegias. Bulky double flowers; best colors. Many people prefer the greater petalage of this type.

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.



Long Spurred Columbine



Arctotis or "African Daisy"

ARABIS [Rock Cress]

***Alpina.** For edging and rockeries. Spreading tufts covered with white flowers during spring. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 30c.

†ARCTOTIS AFRICAN DAISY

Grandis. 2 to 3 feet high. A useful and charming cut flower from June till after hard frosts; lasting a week or two in water, undeveloped buds opening up perfectly if kept in the sun. Daisylike, glistening white on the face, under surface pale lilac-blue. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{2}$ oz. 35c.

Mixed Hybrids. 2 to 3 feet high. Lovely, daisy-like flowers in orange, bronzy red, rose, cream, yellow and salmon shades. Suitable for hot, sunny places. Pkt. 15c; $\frac{1}{8}$ oz. 50c; $\frac{1}{4}$ oz. 90c.

†ASTERS

For early flowers, sow the seed in house or greenhouse during March or April and transplant to the open ground in May. For late flowers, which are the finest, sow thinly in the open ground early in May, transplanting later.

Early (E). First bloom in July.

Midseason (M). August.

Late (L). In prime, Sept. on.

We segregate those items now available in **Wilt-Resistant** strains.

Our Very Popular Front Cover Novelty of last Spring.

"Queen's Bouquet"

New Imbricated Pompon Asters

Mixed (E). Small, round, pompon flowers produced very early and continuously, often twenty to a plant, on 12-inch stems. Surrounding the compact center is a charming fringe of lacy guard petals. There are many distinct color shades in a thorough mixture, so that charming bouquets may be cut; or long-season, low edgings in the garden should sparkle vividly. This item is really one of the catchiest garden novelties in years. Pkt., 10c; 3 pkts. for 25c; $\frac{1}{8}$ oz. 35c; $\frac{1}{4}$ oz. 60c.

New China Aster, "Early Giant Light Blue," see Novelties on page 17.

SPECIAL Wilt-Resistant Aster Strains

Aster wilt-disease is devastating. Science has now gained control of it, to an extent whereby seed has been developed with the power of resistance to this parasitic fungus.

Crego (M). This section produces the largest flowers of the Comet type, very full and fluffy, around 5 inches in diameter. When cut, this group outlasts all others of this type. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Early Royal (E.) Very free; flowers large; bud fully double, with evenly incurved petals. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c.

Extra Early Express

(Comet). (E.) The largest early asters grown. Well developed flowers range from $3\frac{1}{2}$ to 4 inches across, very free of yellow centers and borne upon good stems. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

King Type (M.) This type is quite distinct, owing to the very double petalage, which is characteristically quilled, at times almost needle-like. They are strong and sturdy, averaging 18 inches in height; with an abundance of large, perfect flowers for three months.

Finest Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

"Heart of France" (L). This new late Aster opens red as the purest ruby, deepens with age and retains its remarkable beauty to the very end. The flowers are large and full, the plants branching, 24 inches high. Pkt. 10c; $\frac{1}{8}$ oz. 35c; $\frac{1}{4}$ oz. 60c.

Late Branching (L). A useful class for bedding, the strong, branching plants 2 to $2\frac{1}{2}$ feet high. The flowers are very large and double (5 inches wide), with long, strong stems, making splendid cut flowers. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Queen of the Market (E). Earliest of all; flowers characteristically perfect in form, on long stems, valuable for cutting. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

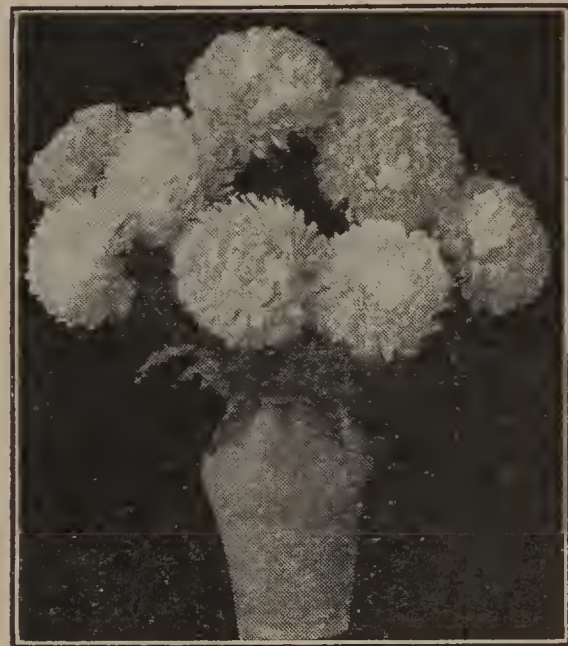
Wilt-Resistant Mixed A combination of all-double types in many colors. It is safe even on wilt-infected soil. Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.



"Heart of France"



King Asters



Queen of the Market



California Giant
(Crego Type) (Page 22)



Giant California Sunshine
(See page 22)

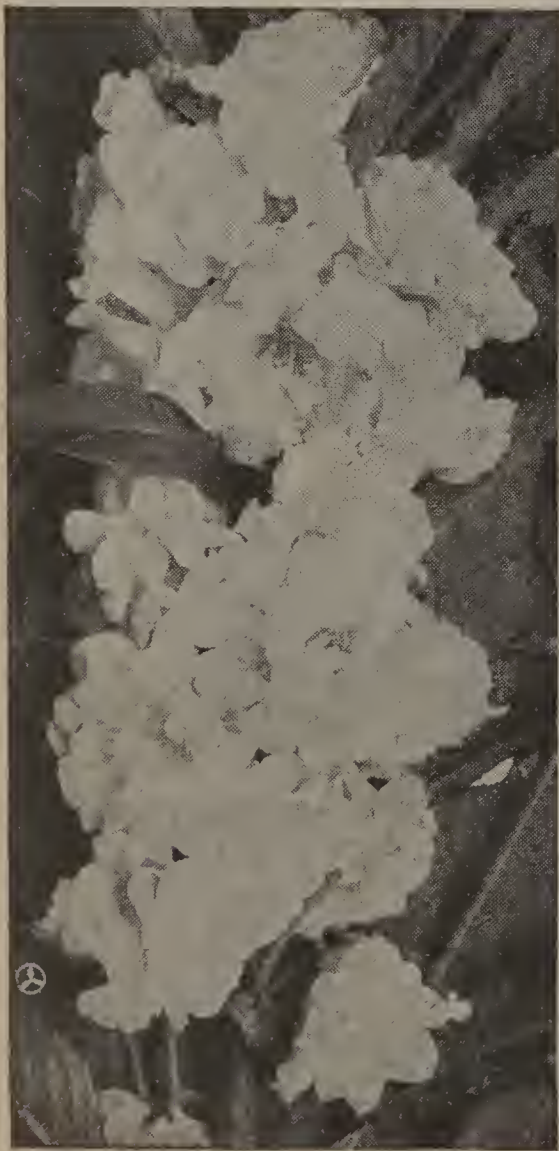


Late Branching Asters (Page 21)

ASTERS—Concluded

California Giants (M.) A new derived type with pressing the popular Crego or Ostrich Feather style, coupled with the more robust habit and greater length of stem characterizing the Beauty class. This welding of types benefits its value for cutting, enabling their extreme size and perfection to be used in vase and floral work where the ordinary stems would not give sufficient support. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c.

Giant California Sunshine (M.) A direct cross between the well-known California Giants and the dwarf, much-branched Sunshine type, hence the name. Plants of this new race grow 3 feet high and bear blossoms on long, stiff stems, admirable for cutting. The individual blooms are enormous, 4 to 5 and 6 inches in diameter. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 35c; $\frac{1}{4}$ oz. 60c.



Balsam

New Super-Giant Asters

El Monte The very earliest Aster of giant size, deep, glowing crimson. The abundant, plume-like petals are daintily interlaced so that the flowers are fluffily bulky, borne on heavy non-lateral, basal-branching stems.

Los Angeles Fully double flowers 6 to 8 inches across; graceful and delicately interlaced. Long, stiff basal-branching stems, bearing the large flowers smartly upright. Shell-pink. Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c.

BALSAM

Giant Double Camellia Flowered. Tender annuals, thriving in hot weather, if planted in good soil and well watered. Should be set about 18 inches apart. If wanted early, sow indoors and transplant. The large, double, gaudily colored flowers are set like Hollyhocks along the 2-ft. stems, with slender leaves protruding. Colors include pink, white and scarlet. **Mixed.** Pkt. 10c; $\frac{1}{4}$ oz. 20c; $\frac{1}{2}$ oz. 35c.

Double Bush Flowering. Bushy plants 18 to 24 inches high, superior to other types in that the perfect, camellia-like flowers occur outside the foliage surface, thus making a much greater show for garden borders. The short stemmed bloom is charming for corsage and shallow bowl use. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

BACHELOR BUTTON

Pretty 2-ft. border plants, and reliable cut flowers. Hardy annual. In an established bed these are perpetual and enjoyable; in bloom for Memorial Day.

Double Blue.

Double Mixed.

Pkt. 10c; $\frac{1}{4}$ oz. 20c;
 $\frac{1}{2}$ oz. 35c.

Jubilee Gem

1 foot. Dwarf, compact plants of thrifty growth, particularly valuable as an edging in garden plots, for blooming pot plants, or for pockets in the rockery. When in bloom, one plant is a real bouquet. The flowers are a vivid deep blue in densely double petalage. Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c.



Bachelor Button



Ball's Calendula

BEGONIA

Delightful summer-bedding plants for sun or partial shade, in bloom from June until frost, or may be brought inside for winter enjoyment. Start early inside and transplant in late spring.

Luminosa. Brilliant, dark scarlet; reddish leaves. Pkt. 25c; $\frac{1}{128}$ oz. 85c.

Prima Donna. Bright rose-pink. Pkt. 25c; $\frac{1}{128}$ oz. \$1.00.

†CALENDULA

Hardy annuals. 1 foot. A wonderful profusion of flowers ranging from ivory to orange. Valuable for beds and borders. Blooms until late fall.

Ball's Florists' Strain. Specially adapted to forcing; the flowers unusually large and double, of uniformly rich, dark orange color; with extra long, firm cutting stems.

Pkt. 10c; $\frac{1}{4}$ oz. 25c; $\frac{1}{2}$ oz. 35c.

Ball's Gold. The large flowers are double golden yellow; the long stems making them ideal for cutting, either forced or in summer garden.

Pkt. 10c; $\frac{1}{4}$ oz. 25c; $\frac{1}{2}$ oz. 35c.

Orange Fantasy Received an "All-America"

Award of Merit for 1938. This is a distinct type, the plant dwarf, about 18 to 24 inches in height, heavily foliaged. The flowers are bright orange, with a $\frac{3}{4}$ -inch center cushion or crest of seal brown.

Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

Orange Shaggy Awarded Gold Medal in 1934. Petals long, fringed; deep orange, lighter at center. Pkt. 10c; $\frac{1}{4}$ oz. 15c; $\frac{1}{2}$ oz. 25c.

Orange King. Bright orange-red, with dark eye. Very double, often 3 inches across.

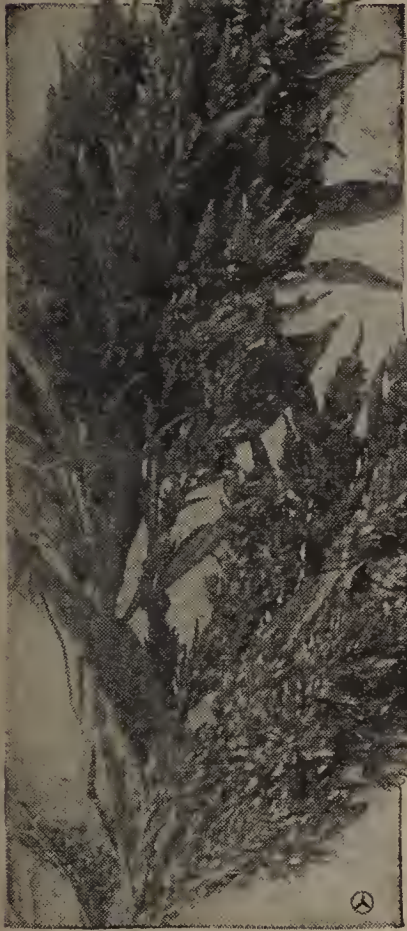
Pkt. 10c; $\frac{1}{4}$ oz. 15c; $\frac{1}{2}$ oz. 25c.

Choicest Mixed. All colors.

Pkt. 10c; $\frac{1}{4}$ oz. 15c; $\frac{1}{2}$ oz. 25c; oz. 40c.



Calendula, Orange Fantasy

Celosia
Ostrich
Feather

†CAMPANULA

Long stemmed biennials with large bell-shaped flowers. Seed sown in the open in early April, transplanted in October and protected, will bloom in great profusion throughout the summer of next year.

Medium (Canterbury Bells). Blue and Rose to White, in mixture. Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.
Single Mixed or Double Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Calycanthemum (Cup-and-Saucer). An extra large calyx gives the impression of a cup and saucer. Mixed. Pkt. 10c; $\frac{1}{8}$ oz., 20c; $\frac{1}{4}$ oz., 35c.

Choice Annual Mixed. Blooms within six months from seed. Pkt., 10c; $\frac{1}{8}$ oz., 30c; $\frac{1}{4}$ oz., 40c.



Canterbury Bells

†CANDYTUFT (Iberis)

Fragrant. About 1 foot.

Annual Pink. Umbrella form flowers.

Pkt. 10c; $\frac{1}{4}$ oz. 20c; $\frac{1}{2}$ oz. 35c.

Giant Hyacinth-Flowered. White.

Pkt. 10c; $\frac{1}{4}$ oz. 25c; oz. 75c.

Fine Mixed. Four or five color shades.

Pkt., 10c; $\frac{1}{4}$ oz. 15c; oz. 45c.

***Sempervirens.** Hardy evergreen; pure white flowers early in spring.

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c; $\frac{1}{2}$ oz. 60c.

***Gibraltarica.** White tinged lilac-pink.

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c; $\frac{1}{2}$ oz. 60c.

***Queen of Italy.** Rosy lilac flowers.

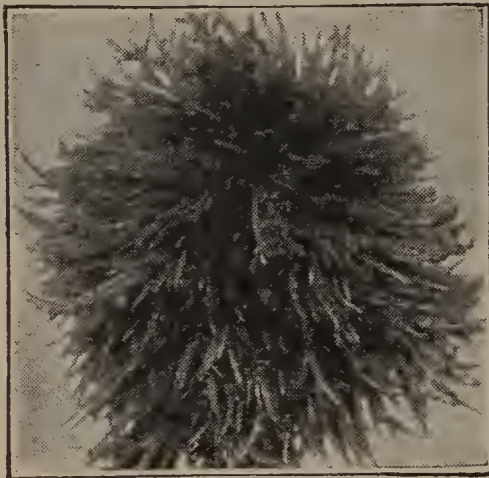
Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c; $\frac{1}{2}$ oz. 60c.

†CARNATION

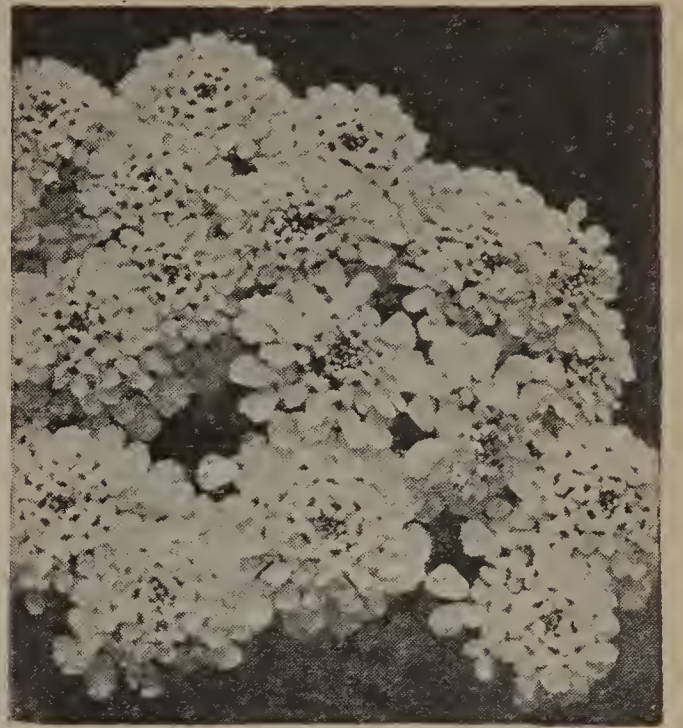
Half-hardy perennial. 1½ feet.

Marguerite. With ordinary care this double, fluted, highly scented type will be in full bloom in 4 months after sowing the seed, flowering in profusion until frost. Mixed.

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.



Chinese Woolflower



Candytuft

CHEIRANTHUS (Siberian Wallflower)

Allioni. 12 inches. Ablaze all summer with close panicles of intensely bright orange flowers. Hardy biennial.

Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

†CHRYSANTHEMUM

Annual Double and Single Mixed. Beautiful double and single type together in a wide range of colors, blooming all summer.

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Single Annual
Chrysanthemums

CELOSIA - Cockscomb

Childsi (Chinese Woolflower). The most curious and interesting of all Celosias. Globular flowers, like balls of bright wool, bloom in July and continue until cut down by frost; do not fade, but increase in size and brilliancy. Height 2 to 3 feet.

Plumosa (Ostrich Feather). 2 to 5 ft. Very showy with their large, dense, and continuing upright plumes. Very effective in garden sections; as fresh cut flowers, and dried, or potted. Tall Mixed. Both: Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Flame of Fire (Globe Cockscomb). A new type of most interesting character. The plant is pyramidal, with horizontal candelabra-like branches; each tip supporting an almost perfect globe of coral-like structure, of vivid, fiery scarlet. Pkt. 25c; $\frac{1}{8}$ oz. 75c; $\frac{1}{4}$ oz. \$1.25.

CENTAUREA

Gymnocarpa. A useful foliage plant known as "Dusty Miller." Grows to 1½ feet; deeply indented, fernlike foliage so dusted with silver as to be almost white. Half hardy.

†**Imperialis** (Giant Sweet Sultan). Bushes are covered with large, fluffy, ball-shaped, sweet-scented flowers. Will keep a week or over in water, if cut when about to open. Hardy annual. 2 feet. All Colors Mixed.

***Montana.** 2 feet. Numerous large, deep blue flowers resembling the annual Bachelor Button. All: Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

CERASTIUM ("Snow-in-Summer")

***Tomentosum.** A low edging or carpet plant with matted silvery foliage and early terminal, single white flowers. This consorts beautifully with the spring show of Alyssum Saxatile and Anchusa Myosotidiflora.

Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.



"Sweet Sultan" (Centaurea)



Cynoglossum Amabile
A "Chinese Forget-Me-Not"



One of the Best Fall Flowers

CINERARIA

Maritima. Another "Dusty Miller," denser than the Centaurea type; one of the showiest silver or white-leaved foliage plants for bedding, ribbon beds and margins. (See illustration with Kochia, page 27.)
Pkt. 10c; $\frac{1}{4}$ oz. 20c; $\frac{1}{2}$ oz. 35c.

COLEUS

Choicest New Hybrids. A class of popular decorative foliage plants with much diversity of pattern and rich coloring. For bedding or pot culture. **Mixed.**
Pkt. 10c; $\frac{1}{16}$ oz. 50c; $\frac{1}{8}$ oz. 75c.

†COREOPSIS OR CALLIOPSIS

Sow where they are to remain and thin to 1 foot apart.

Finest Mixed. (Red, orange, etc.). Hardy annual.

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

***Lanceolata Grandiflora.** Beautiful hardy perennial; 15 to 18 inches; producing its golden yellow flowers in great profusion.
Pkt. 10c; $\frac{1}{4}$ oz. 15c; $\frac{1}{2}$ oz. 25c; oz. 40c.

†COSMOS

Delightful fall blooming plants; much branched and bushy up to 5 or 6 feet.

Early Klondyke Orange Flare

A Bodger introduction which swept the 1935 All-America judges off their feet. "Orange Flare" is large-flowered, long-stemmed, long-seasoned—a solid, vivid orange. 4 mo. from seed!

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Mammoth Early Flowering. Aug. Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 15c; $\frac{1}{2}$ oz. 25c.

Giant Fancy. Giant flowers of perfect form.

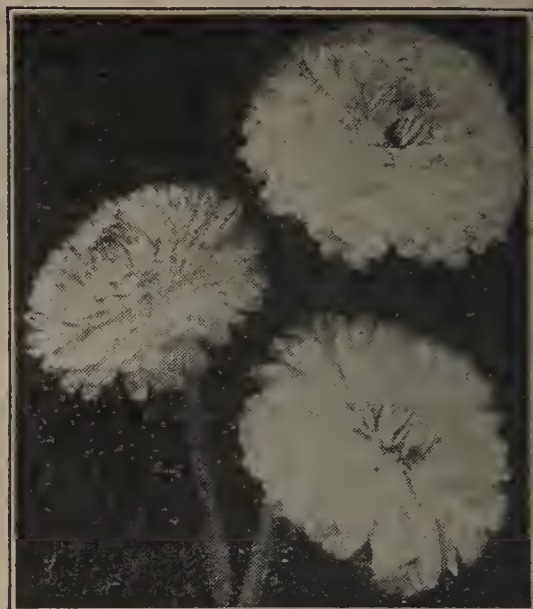
Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 15c; $\frac{1}{2}$ oz. 25c.

New Double Crested. This beautiful type is fine for use as a cut flower. Double centers, a row of petals around the base.

Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.



Shasta Daisy



English Daisy

Cosmos, Sensation. (New.)

Early, mammoth pink and white flowers; 10 weeks from seed. Award of Merit, All-America 1936 selection.

Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

CUPHEA

Firefly. 12 in. Compact and spreading, ready to bloom about five months after sowing. An extravagance of tubular flowers, somewhat fluted, a flaming rosy scarlet nearly purple at center, suggests this "Firefly" name.

Pkt. 10c; $\frac{1}{8}$ oz. 50c; $\frac{1}{4}$ oz. 90c.

CYNOGLOSSUM

(Chinese Forget-Me-Not)

Amabile. Strong plants 18 to 24 inches high, giving an all summer's profusion of sweet scented, intensely blue forget-me-not-like flowers.

Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

†DAHLIA

Half hardy annual, 2 to 4 ft. Popular late summer and fall-flowering plants. The double type will bloom first season if sown by April 1st, but sowing the singles may be deferred as late as June.

Double Mixed. Includes the new, large flowered varieties.

Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

Unwin's Dwarf Hybrids. Made famous by the great bed on exhibition at the Century of Progress. Plants dwarf, stems long and wiry, flowers single and semi-double in several color shades. 90 days from seed.

Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c.

*ENGLISH DAISY

(Bellis Perennis)

A favorite dwarf perennial, the 6-inch plant providing a vast amount of short-stemmed bloom through the spring and summer. Extensively used as edging plants, and usually carry over if winter mulched.

Maxima Double Mixed. Pink and white.

Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

†*SHASTA DAISY

Pure white flowers with yellow centers, 3 to 4 inches in diameter, with the waxy petals mostly broad and flat. They bloom the entire season. $1\frac{1}{2}$ to 2 ft.

Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

DATURA

(Angel's Trumpet)

Showy large branching plants, growing 2 to 3 feet high, bearing creamy white, trumpet-shaped flowers 6 inches in length, with a wide bell. They make a fine subtropical effect in the garden if given light rich soil and a sheltered sunny location.

Pkt. 10c; $\frac{1}{4}$ oz. 15c; $\frac{1}{2}$ oz. 25c.



"Gold Medal" Delphiniums

DELPHINIUM (Larkspur)

*PERENNIAL VARIETIES

See Annuals under LARKSPUR.

Belladonna. Lovely sky-blue.

Bellamosa. Very dark blue.

Gold Medal Hybrids. Very popular; in various color shades. Mixed.

Above: Pkt. 15c; 1/8 oz. 30c; 1/4 oz. 50c.

Blackmore and Langdon's Hybrids.

A Superior English strain including a vast range of color shades and patterns; tall; very large flowered. Mixed.

Iceberg. 4 inches. Pure white flowers.

Wrexham Hollyhock Strain (Eng.).

Tall growth, giant flowers, single, semi-double and fully double; strung along the stems like double Hollyhocks. Beautiful color shades and patterns. Mixed.

Above: Pkt. 15c; 1/8 oz. 50c; 1/4 oz. 90c.

† DIANTHUS

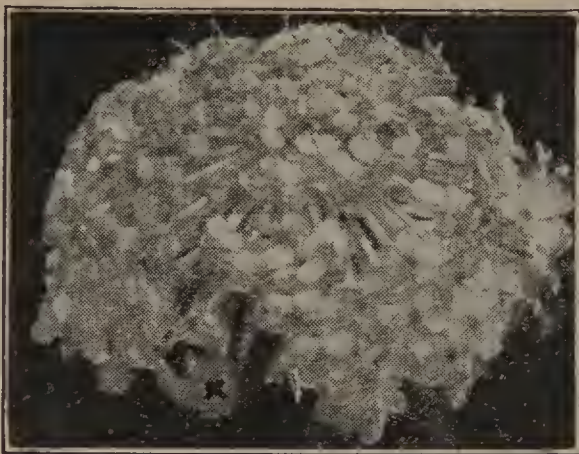
Few other plants produce more flowers or cover a longer blooming period. All colors, spicy fragrance and lovely form, give them prominence for every garden use.

ANNUAL TYPES

Annual "Pinks" Double Choice Mixed. Mixture of double annual varieties. Pkt. 10c; 1/8 oz. 20c; 1/4 oz. 35c.

Sweet Wivelsfield This is an outstanding English novelty. It is not unlike Sweet William but the flowers are larger, displaying the brilliant coloring and dainty markings of the Heddewigi strain with a honey perfume. Blooms the first year.

Pkt. 10c; 1/8 oz. 25c; 1/4 oz. 40c.



Blue Lace Flower

*PERENNIAL TYPES

***Alpinus Allwoodi.** 6-inch clump. Shades of rose and pink; July-August. Pkt. 10c; 1/32 oz. 50c; 1/16 oz. 95c.

***Barbatus (Sweet William).** Great richness and variety of coloring; beautifully marked. Numerous broad compact trusses of single flowers like Phlox. Sow the seed in ultimate location, or transplant when young. **Blood Red, Giant White, Newport Pink, and Scarlet Beauty.**

Pkt. 10c; 1/8 oz. 20c; 1/4 oz. 35c.

***Deltoides (Maiden Pink).** 18 inches.

A charming slender-stemmed type, foliage prostrate; mass of small pink flowers, carmine to light coral. May-June. Pkt. 10c; 1/8 oz. 15c; 1/4 oz. 25c.

***Plumarius semperflorens (Grass Pink).** Noted for spicy fragrance and rich coloring, with long cutting stems. Mixed. Pkt. 10c; 1/8 oz. 15c; 1/4 oz. 25c.

—***"Rose Queen."** Double, deep rose. Pkt. 10c; 1/8 oz. 60c; 1/4 oz. \$1.00.

DICENTRA (Bleeding Heart)

***Eximia.** 15 inches. Lacy celery-green mounds. Short, arching, rose-red hearts pendent all season.

Pkt. 10c; 1/8 oz. 50c; 1/4 oz. 40c.



Dimorphotheca—"African Daisy"



Dianthus Barbatus, "Sweet William"

DIDISCUS COERULEUS (Blue Lace Flower)

Seed sown outdoors after danger from frost, should insure bloom continuously from July to October. Two feet, with subdivided foliage. The terminal flower umbels average close to 3 inches across, a lacy association of long thin tubes and flaring faces in the numerous florets. The entire flower is an appealing shade of "heavenly" blue, and its construction exquisitely dainty.

Pkt. 10c; 1/8 oz. 20c; 1/4 oz. 35c.

DIMORPHOTHECA

(The African Daisy)

Daisy-like flowers in great profusion nearly all summer, if given a sunny location. Good bedder, plants 12 to 15 inches high. Colors range through red, blue, pink, yellow and white, with intermediate tints. Mixed. Pkt. 10c; 1/8 oz. 25c; 1/4 oz. 35c.

EUPHORBIA

Variegata (Snow-on-the-Mountain)

An old garden favorite; foliage and flowers veined and heavily margined white. 2 to 3 feet. A good alternating plant with pink geraniums, or surrounded by petunias. Pkt. 10c; 1/8 oz. 20c; 1/4 oz. 35c.

FORGET-ME-NOT

(Myosotis)

***Palustris.** 12 inches. Blue with white and yellow eyes. Prolific early summer bloom, largest flowered of the hardy types.

Pkt. 10c; 1/8 oz. 25c; 1/4 oz. 40c.



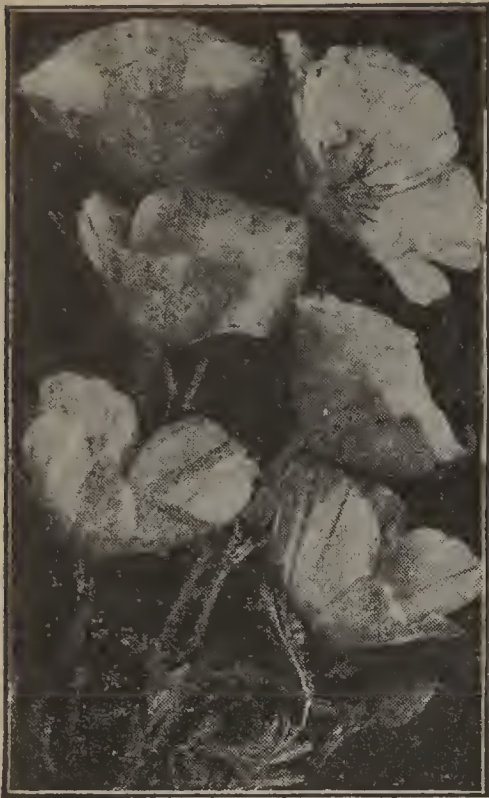
Dianthus—Annual Double Pinks



Forget-me-not



"Snow-on-the-Mountain"



California Poppy

ESCHSCHOLTZIA or California Poppy

California's state flower. Dwarf plants about 1 foot high, with spreading, silvery, fine cut foliage; furnishing a liberal quantity of poppy-like flowers from spring until late fall.

Mixed Eschscholtzia. All varieties, rich in shades of pink, crimson, and orange-scarlet. Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c; $\frac{1}{2}$ oz. 40c.

FOXGLOVE [Digitalis]

Mammoth 3- to 4-ft. spikes of densely set colored flowers; very desirable for backgrounds. Hardy biennial.

***Gloxinoides Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

Giant Shirley Mixed. 7 ft. A great improvement, with 4-ft. flower spikes in many shades of colors and fancy patterns. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c.



Foxglove



Four O'clocks

FOUR O'CLOCK

(Marvel of Peru)

Clustered flowers in gorgeous diversity of colors open in the afternoon and drop by morning. **Mixed.**

Pkt. 10c; oz. 15c; $\frac{1}{4}$ lb. 35c; 1 lb. \$1.00.

GAILLARDIA (Blanket Flower)

Picta Lorenziana. 18 inches. Vivid, showy, double, fringed cut-flowers of large size, all-summer. **Mixed.**

***Grandiflora.** 2 ft. Blooming first season. Yellow and orange, center and varying rings red and maroon. **Mixed.**

Both: Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

***Dazzler.** (New.) Very large flowers; rich gold with strongly contrastive maroon center. Pkt. 10c; $\frac{1}{8}$ oz. 35c; $\frac{1}{4}$ oz. 60c.

***Goblin.** (New.) 15-inch mounds, blanketed all summer with normal flowers of brilliant yellow with a heavy, deep red zone.

Pkt. 10c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.10.



Gaillardia

*GEUM

Mrs. Bradshaw. They closely resemble dark crimson Carnations with broad, fluted petals, and a conspicuous tuft of golden stamens.

Lady Stratheden. Golden.

Both: Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c.

GODETIA

Beautiful satiny, open flowers covering a wide range of colors. They bear good flowers even in shade, and are better in the cooler sections; not too rich soil. **Finest Mixed.**

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.



Globe Amaranth

Gypsophila Elegans—
Annual "Baby's Breath"

†GYPSOPHILA "Baby's Breath"

Delicate stems and foliage in rounded clumps; profusely sprinkled with tiny white star-bloom. These misty panicles are exquisite "mixers" in bouquets.

Elegans. Annual. Sow often.

London Market. Extra large flowers, all summer.

Both: Pkt. 10c; $\frac{1}{2}$ oz. 15c; oz. 25c.

***Paniculata.** Hardy perennial. 2 feet. Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

Ornamental Gourds

Tender annual climbers with curiously shaped, fancifully patterned, hard-shell fruits, which may be used in many ways. The growing of these gourds for acquiring collections of odd patterns, is a modern (and not unprofitable) fad. **Large Mixed.** **Small Mixed.** Pkt. 10c; $\frac{1}{2}$ oz. 20c; oz. 35c.



Honesty

3 "Everlastings" for Winter Dried Bouquets

GOMPHRENA (Globe Amaranth). Charming clover-like blossoms in white, pink, and bronzy yellow. They dry perfectly. **Mixed.**

Pkt. 10c; $\frac{1}{2}$ oz. 20c; oz. 35c.

HELICHRYSUM (Strawflower). 2 feet. Double flowers, thickly flat. The favorite "dry bouquet," in many shades. **Mixed.**

Pkt. 10c; $\frac{1}{4}$ oz. 25c; $\frac{1}{2}$ oz. 40c.

HONESTY (Lunaria Biennis). Moonwort, Money, Satin Flower, etc. Thin, round, transparent silvery seed pods in loose panicles. Popular hardy biennial. **Mixed.**

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

One pkt.
of each for **25c**



Strawflower

Cardinal Climber



***HELIOPSIS Excelsa** (Orange Sunflower). 3 ft. July and August bloom. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

***HESPERIS Matronalis** (Sweet Rocket). 3 to 4 feet. Showy spikes of pink flowers, June-July. Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

***HIBISCUS** (Mallow). Large fall flowers like single Hollyhocks. 3 to 5 feet. Red, and Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

LINUM

***Perenne** (Blue Flax). An 18-in. broad-topped bush spangled with bright blue, phlox-like umbels; a fresh crop each morning all summer. Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c; $\frac{1}{2}$ oz. 40c.

LYCHNIS

***Chalcedonica** (Maltese Cross). 2 to 3 ft. Bright scarlet flowers in medium size flat umbels; blooming the first year. Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

HELIOTROPE

Lemoine's Giant Hybrid. Of robust growth, large flower heads, blooming all summer. Choice Mixed Colors. Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c.

*HOLLYHOCKS

Double Flowered Mixed. Several distinct colors; perfect, very large rosettes. Will bloom next year.

Mammoth Fringed Mixed. (Allegheny). The flowers are single and semi-double, finely fringed and curled. Will bloom the first season if sown early. Very tall.

Triumph Mixed. Dwarf and branching; semi-double flowers with fluted central rosette; in many pastel shades. All: Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 30c.

†LUPINE

Annual Mixed. Good cutting annuals, about 2 feet. Produces an abundance of long, graceful spikes of pealike flowers which are very showy and pretty in shades of blue, rose, and white. Best in partial shade.

***Polyphyllus Mixed**. The strong growing, continuous blooming hardy perennial type.

Both: Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

***Russell Lupins** The sensational new English strain which gives superlative height,

spike and flower perfection added to much increased range of definite colors. Mixed.

Lupine

10 seeds, 15c; 24 seeds, 25c; 80 seeds 65c; 200 seeds, \$1.25; 500 seeds \$2.50.

†LARKSPUR (Delphinium)

See Hardy Delphiniums on page 25; annuals are very choice short-stemmed cut flowers, and charming for the garden.

ANNUAL TYPES (All Double)

Giant Hyacinth-Flowered Dark Blue. Stock-Flowered "Exquisite Pink."

Newport Scarlet. Bright double scarlet. 3 above: Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

Giant Hyacinth Flowered. 3 feet high; with long spikes of giant double flowers. Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Imperial Giant. A new upright strain, flowering close to the central stalk.

"Rose King." Beautiful rose-pink.

"White King." Pure white flowers.

Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 45c.

Rosamond. All-America Gold Medal winner of 1934. Very early; florets large, very double, closely packed on long spikes; pure, deep rose-pink.

Pkt. 15c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

KOCHIA

(Summer Cypress or Burning Bush)

An annual plant ideal for temporary summer hedges. A feathery dense egg-shaped bush ranging from 2 to 4 feet. Foliage is fine and close-set. Pale, tender green throughout summer, the color turns towards fall to vivid red. Sow thinly in spring for an unbroken line; but for individual expression, transplant to 18 to 24 inches apart. Pkt. 10c; $\frac{1}{4}$ oz. 15c; $\frac{1}{2}$ oz. 25c.



Annual Larkspur

HUNNEMANNIA

Sunlite. A new semi-double form of Bush Eschscholtzia or Tulip Poppy; extra large cup-shaped flowers of canary-yellow. Pkt. 10c; $\frac{1}{8}$ oz. 50c; $\frac{1}{4}$ oz. 85c.

IPOMOEA

All: Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Cardinal Climber

(*Ipomoea Sloteri*). A 20- to 30-ft. climber; covered all summer with clusters of small, vivid red flowers. Leaves deeply lacinated and showy.

Heavenly Blue

Sky-blue flowers against richly green, large foliage. Blooms by day and makes one of the most delightful flowering vine effects conceivable, against white pickets or garden fence.

Moonflower

(*Ipomoea grandiflora*). Grows 5 to 30 feet. At night the plants are covered with solitary 4- to 5-inch, round, pure white, fragrant flowers of chaste beauty.

See the new Scarlett O'Hara on novelty page 17.



Kochia,
With
Cineraria.
(Page 24)



New Marigold, "Guinea Gold"



Dwarf Marigold, "Border of Gold"



Nasturtiums

†MARIGOLD (Tagetes)

Burpee Gold (New.) Odorless foliage; carnation-like flowers. Earlier blooming, larger flowered, and more floriferous than Guinea Gold, besides being dwarfier growing, and entirely free from the accustomed objectionable Marigold odor. The flowers of heavy substance average 3½ inches across, are fully double with an artistic arrangement of the long, loose petalage; rich, gleaming orange.

Crown of Gold

"All-America" Trials Gold Medal for 1937. Not a trace of the pungent Marigold scent, either in flower, stem or foliage. 3 feet tall; foliage unusually sparse. Flowers 2½ inches wide; bright golden orange. Here is one choice Marigold you can use for cut flowers, without offense to the most sensitive nose.



Gigantea Sunset Giants

A new race, with double flowers 5 to 7 inches across, varying in color between shades of vivid orange, dark and light yellow, and primrose. A small percentage may come single, but with no loss of beauty. Long stems for cutting; rather sweet-scented.

All: Pkt. 10c; ⅛ oz. 25c; ¼ oz. 40c.

Guinea Gold (New Carnation-flowered Marigold). Richest, purest orange-gold in less formal but more artistic flowers of large size; borne in great profusion. Long stems for cutting. 2½ ft. Pkt. 10c; ⅛ oz. 20c; ¼ oz. 35c.

French Group

Harmony.

(New.) Bushes 15 inches high by 2 feet wide, studded continuously all summer with brilliant small flowers. The broad outer petals are deep mahogany-red, surrounding a central crested cushion of golden yellow.



Harmony

Pkt. 10c; ⅛ oz. 20c; ¼ oz. 35c.

Yellow Supreme New African. 26 in. high. Fluffy flowers of light golden yellow; bottom petals broad and loose. No disagreeable odor; rather fragrant, in fact. Pkt. 10c; ⅛ oz. 35c; ¼ oz. 50c.

Tall Double African Mixed. 3 feet.

Dwarf Double African Mixed. 20 in. Both: Pkt. 10c; ¼ oz. 20c; ½ oz. 35c.

Signata Pumila ("Border of Gold").

Showy, dwarf, compact. Fine for potting, borders and edging beds. Rarely 12 inches high, with delicate fernlike foliage and a wealth of golden flowers.

Legion of Honor. Compact bushes 9 inches high. The single flowers are golden yellow, marked with a large spot of velvety maroon at the base of each petal. Very showy and continuous.

Both: Pkt. 10c; ¼ oz. 20c; ½ oz. 35c.

Dwarf Royal Scot, All Double (New).

A new strain of dwarf, bushy growth, each plant similar to its mates, about 10 to 12 inches high. The plentiful flowers are a unique, very striking alternation of rich mahogany and gold stripes.

Pkt. 10c; ⅛ oz. 25c; ¼ oz. 40c.

Dwarf French Double and Single Mixed. 1 foot. Finely cut foliage; flowers in fancy color combinations.

Pkt. 10c; ¼ oz. 15c; ½ oz. 25c.

*MATRICARIA (Feverfew)

Half-hardy perennials, but treat as an annual.

Eximia Fl. Pl. 2 feet. Pungent, deep-cut leaves. All summer, pure white, clustered globes. A beautiful cut flower.

Golden Ball. 10 inches. A new dwarf form for summer edging; chrome-yellow balls.

Both: Pkt. 10c; ⅛ oz. 25c; ¼ oz. 40c.

†NASTURTIIUM

Double Glorious Gleam Hybrids

Similar in form and habit to Golden Gleam. These hybrids run the gamut of colors known to Nasturtiums; are long-stemmed, sweet-scented, free-blooming.

Pkt. 10c; ½ oz. 15c; oz. 25c; ¼ lb. 75c.

Golden Gleam New compact dwarf; double, sweet scented. flowers, 2½ to 3 inches across, on 6- to 8-inch cutting stems; rich golden yellow. Pkt. 10c; ½ oz. 15c; oz. 20c; ¼ lb. 60c.

Dwarf Mixed This splendid mixture contains all the named dwarf varieties and colors. Pkt. 10c; oz. 15c; 2 ozs. 25c; ¼ lb. 35c; lb. \$1.00.

Tall Mixed This is one of the most complete mixtures of all strains of Climbing Nasturtiums. Pkt. 10c; oz. 15c; 2 ozs. 25c; ¼ lb. 35c; lb. \$1.00.

Dwarf Double "Gem", Golden Globe (New.) The first distinct color separation from the "Gem" type, delicately sweet scented, golden yellow. Pkt. 10c; oz. 25c; 2 ozs., 40c; ¼ lb. 75c.

The new Marigold "Early Sunshine" is on novelty page 17.

Dwarf Semi-Double Gem

Mixture Plants are very compact with no runners, well covered with large double flowers which range in color through yellow, orange, scarlet, crimson, salmon, cerise, cream, maroon, and spotted. Some leaves are dark colored. Pkt. 10c; oz. 25c; 2 ozs. 40c; ¼ lb. 75c.

†MIGNONETTE

A fragrant, hardy annual, fine for cutting the entire season, and for winter pot culture.

Goliath. Immense spikes, red.

Pkt. 10c; ¼ oz. 25c; ½ oz. 40c.

Large Flowering. "Sweet."

Pkt. 10c; ½ oz. 15c; oz. 25c.

MORNING GLORY

(Convolvulus.) Is one of the longest known and best loved vines.

Japanese Giant. Their large flowers are striped, spotted and margined in all shades from white to deepest red, blue, and purple. Many are fluted and fringed. Sow the seeds early in a warm sunny place. Choice Mixed.

Pkt. 10c; ½ oz. 15c; oz. 25c.

NICOTIANA

(Sweet-Scented Tobacco)

Attractive, long, broad leaves and fragrant star-shaped bloom.

Affinis. Pure white, sweet-scented single flowers.

Pkt. 10c; ⅛ oz. 20c; ¼ oz. 35c.

Hybrida Mixed. Has large star-shaped flowers in many colors. If plants are taken up in fall, cut back, and potted, they will bloom in the house during the winter. 2 to 3 feet.

Pkt. 10c; ⅛ oz. 20c; ¼ oz. 35c.

NIEREMBERGIA

Hippomanica (Cup-Flower). A new, very interesting annual, adapted to a warm, sheltered position in the garden. Only 6 inches high, its dense character is cushion-like, with foliage spangled with 1¼-inch flowers like petunias; delicate lavender in color. Pkt. 25c; 1/128 oz. 70c; 1/64 oz. \$1.25.

†NIGELLA

(Love-in-a-Mist or Devil-in-the-Bush)

Damascena. Mixed blue and white. Compact plants a foot high, with fine cut foliage within which is set a profusion of pretty, many petaled flowers having a darker central tuft; and seed pods; make good short-stemmed cut flowers.

Mixed. Pkt. 10c; ⅛ oz. 20c; ¼ oz. 35c.

Steele's Jumbo Mixed



†PANSY

Pansy seed sown the latter part of April is best for spring sowing; under normal conditions, producing

flowers by July and continuously until fall. A well-enriched, finely worked soil is best. If drilled in, seed should be covered not over four times its own depth.

California Giants Mixed. A combination of choice "Giant" types; showing the best there is in size, color diversity, and other qualities.

Pkt. 20c; 1/16 oz. 50c; 1/8 oz. 90c.

Roggli Swiss Giants Mixture. This type and particular strain provides flowers of commanding size, 3 inches or more in diameter, the stems extra long. The face patterns are of engaging interest, the petal texture thick and velvety. Above all else, the color range is most extensive; introducing red, pink and salmon shades, hitherto unknown.

Pkt. 20c; 1/16 oz. 75c; 1/8 oz. \$1.25.

Shakespeare's Pansy

The pansy of romance and poesy. Not gaudy, not large, not the last word in pansy progress. On the contrary, this resurrected strain is quaintly simple; subdued in coloring, with modest mien. It fits admirably into nooks of restful quietude, and does forsooth, inspire fragrant thought. It makes up into charming small bouquets. This is the identical old strain which graced the garden of immortal Shakespeare, and was prevalent in and around Stratford-on-Avon. Mixed.

Pkt. 10c; 1/16 oz. \$2.00; 1/8 oz. \$3.50.

Steele's Jumbo Mixed. Earliest and largest of all. Massive flowers up to 4 1/2 inches across. The color range embraces most of the known shades. Our seed procured direct from the originator.

Pkt. 25c; 1/16 oz. \$1.75; 1/8 oz. \$3.25.

Trimardeau Type. Extremely free-blooming. Superb Mixed.

Pkt. 10c; 1/8 oz. 20c; 1/4 oz. 35c.



Dwarf Petunia, "Martha Washington"



Petunia, Giants of California

PETUNIA

Salmon Supreme A new variety in the dwarf bedding class, showing an unusual color. Plants average 12 inches in height and spread, increasing somewhat toward the end of season. Flowers are about 1 1/2 inches across, with plain petals of light salmon surrounding a white throat. This hybrid received the All-America Award of Merit for '38.

Pkt. 10c; 1/32 oz. \$1.50.

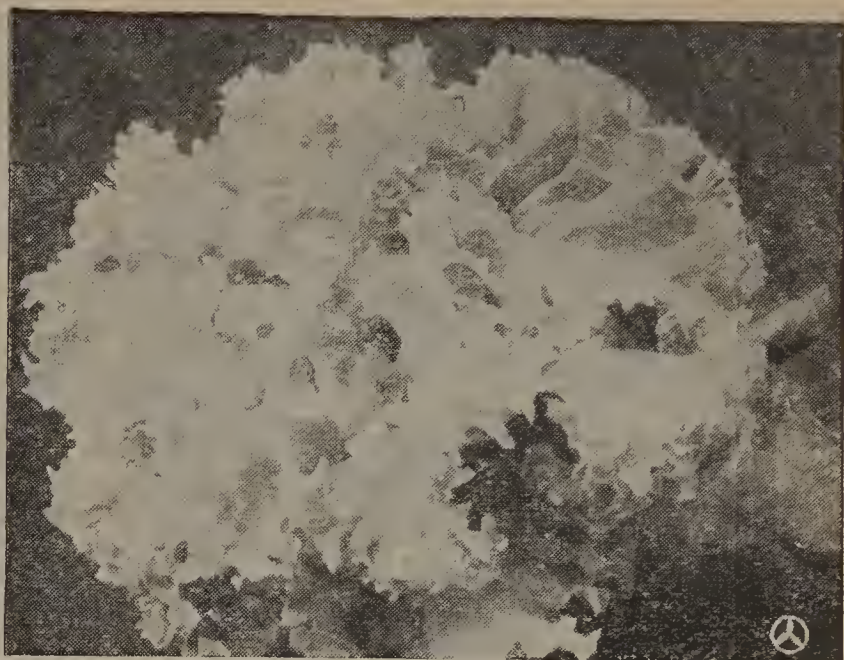
Topaz Rose "All-America," special mention. Good grower, fairly upright,

15-18 in. tall. The 2-inch flowers are a clean cerise-red or topaz-rose running true, distributed by a strong petunia scent. Blooms quite continuously and holds its color well in the hot sun.

Pkt. 10c; 1/32 oz. 60c; 1/16 oz. \$1.00.



New Petunia, Salmon Supreme



Double Giant Fringed Petunia, "Triumph"

SINGLE "BALCONY" TYPE

3-inch single flowers, very free; in several vivid, solid colors.

Balcony Mixture. Pkt. 10c; 1/16 oz. 35c; 1/8 oz. 60c.

Black Prince. A new Balcony; striking; rich velvety red, dark almost to blackness. Pkt. 10c; 1/16 oz. 60c; 1/8 oz. \$1.00.

SINGLE LARGE

Giants of California. Choicest mixed seed saved from show flowers. Very large. Mixed. Pkt. 10c; 1/64 oz. \$1.25; 1/32 oz. \$2.50.

Elks' Purple. The magnificent "color" of the Elks' Order. The single 3-inch flower is the richest purple shade conceivable. Pkt. 10c; 1/64 oz. \$1.00; 1/32 oz. \$1.90.

SINGLE BEDDING

Celestial Rose. Low, compact plants 8 inches high, rose-pink.

Rosy Morn. The most popular.

Silver Blue. Medium sized flowers, Pkt. 10c; 1/16 oz. 35c; 1/8 oz. 60c.

Striped and Blotched. Mixed.

Pkt. 10c; 1/8 oz. 25c; 1/4 oz. 40c.

Single Fine Mixed. Pkt. 10c; 1/4 oz. 35c; 1/8 oz. 60c.

RUFFLED NANA COMPACTA Martha Washington.

Perfect mounds of plant and covering bloom, 9 inches high. 2 1/2-inch single flowers slightly ruffled; very striking in lilac-white with violet feathering around a black-violet throat. Pkt. 10c; 1/32 oz. \$1.00; 1/16 oz. \$1.75.

DOUBLE

Triumph All-Double Fringed. 15-18 inches. 5-inch flowers are usual, 95 per cent double, most of them beautifully fringed, in a brilliant color range. Mixed. Pkt. 50c; 1/128 oz. \$3.25.

Victorious Dwarf Double Fringed. 12-15 inches. Similar in every way to Triumph, except in height. Good for pots. Mixed. Pkt. 50c.



New Pentstemon "Sensation"

PENTSTEMON

Large Flowering "Sensation." Half-hardy perennial. The numerous gloxinia-shaped flowers are borne in long spikes from May until frost. Will bloom the first season if sown early in hotbed and transplanted early. The colors are white, pink, rose and crimson, many being spotted and margined. Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.00.

*PERENNIAL PEA

(*Lathyrus Latifolius*)

Splendid flowering vine for covering rocks, stumps and walls. Shades of pink and white. Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

PHACELIA

Campanularia (California Blue Bell). 8 inches. Terminal racemes of gentian-blue with white anthers. One of the earliest annuals, with a long season; effective edgings.

Whitlavia (Wild Canterbury Bells). 12 inches. Larger flower bells than above; violet-blue.

Both: Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

PHLOX

Starred and Fringed. Very interesting. Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

***Hardy Perennial** Seed is saved from named varieties in our choice collection. Finest Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c.

Drummond
Grandiflora.

Hardy annuals. 1 foot. Blooms early, freely, and continues until severe freezing. The seed may be planted in the open ground May 1st or in hotbed or house earlier, afterwards transplanted 8 to 10 inches apart each way.

Choice Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c; oz. \$1.00.



Annual Phlox



Shirley Poppies

Phlox Drummond

Giant Art Shades

Delicate pastel shades of alluring beauty. Uniform mounds about 9 inches high, in all-summer bloom. Award of Merit, 1935, All-America Selection. Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 35c; $\frac{1}{4}$ oz. 60c.

Drummond Nana (Dwarf). Grows about 6 inches high, splendid for pot culture or for ribbon lines and for massing. Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c.

*PLATYCODON (Balloon Flower)

Grandiflora. The unopened buds resemble miniature balloons opening up as deep throat- ed, $1\frac{1}{2}$ - to 2-inch bells. 2 to 3 feet; prolific and long season of bloom. Seed sown in early spring will bloom in August. Mixed.

Mariesi. A dwarf type, rigidly upright; long season; indigo-blue bells.

Both: Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

POPPY [Papaver]

Poppies are among the most interesting of the garden flowers with vivid colors and fern-like foliage. Annuals should be sown as early in spring as possible, just barely covered, in the location where they are to remain.

†ANNUAL POPPIES

Shirley Poppies This type is per- haps the most

beautiful of all; one sowing keeping the bed alight all summer. Although they are mostly single, many come semi-double, or with fluted margins. The colors range from white, through various shades of pink, to scarlet and deepest crimson. Mixed.

Pkt. 10c; $\frac{1}{4}$ oz. 20c; $\frac{1}{2}$ oz. 35c.

Carnation-Flowered. Many-petaled, finely fringed flowers, brilliant colors. Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 20c; $\frac{1}{2}$ oz. 35c.

*PERENNIAL POPPIES

***Orientele** These average 6 inches across and are imposing in spring, with their fiery orange-scarlet bloom, on nodding stems 3 to 4 ft. high. No bloom the first year. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

***Large Flowered Oriental Hybrids Mixed.** The colors in this mixture may be various shades of red, orange, or in pink, salmon, and white combinations. Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

***Iceland** (*Papaver Nudicaule*). Small, single, cup-shaped flowers 2 to 3 inches in diameter with ruffled petals; yellow, orange, and white. Sown early in spring will bloom in June and continue until cold weather if not allowed to bear seed. Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

***Sandford's Giant Strain.** (New). Of true Iceland type; yet the cutting stems attain 2 to 3 feet, and the magnificent flowers often measure 5 inches in diameter. These are sensational when introduced as cut flowers. Colors range widely in shades and combinations. Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.



"Painted Daisies"

Pyrethrum

***Roseum Hybridum** (Painted Daisy). Bloom the first season if sown early. 2- to 3-inch daisy-like flowers in white, rose, crimson, and scarlet. Foliage fine-cut and ferny. 2 ft. Double and Single Mixed. Pkt. 15c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c. Single Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.



Double Portulaca

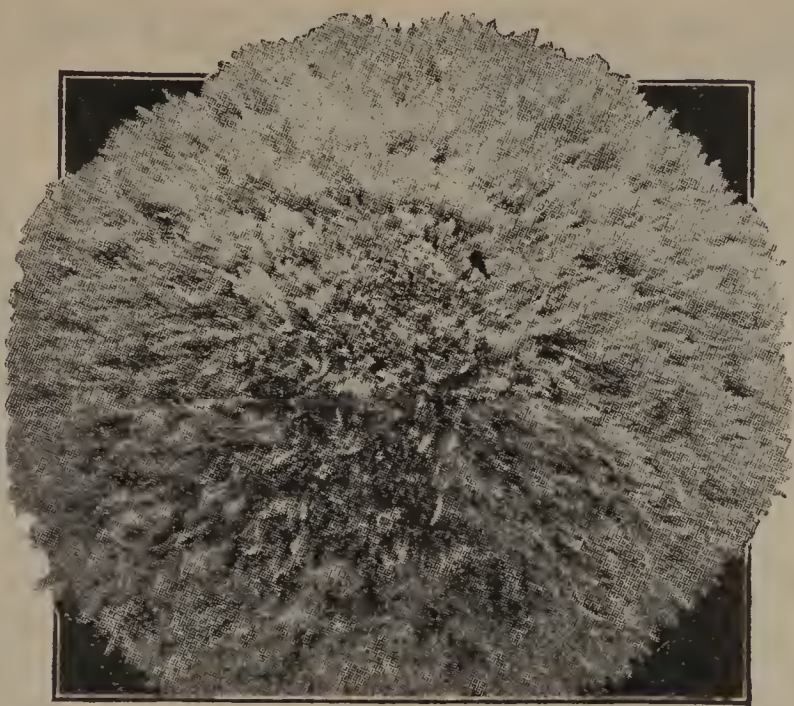
Portulaca

("Moss Rose")

Trailing plants which love the sun, and nestle close to the warm, sandy loam. Numerous, round, flat flowers set close, brilliantly illuminating the foliage with vivid shades of red, yellow, pink, and white. Half-hardy annual. Double Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 35c; $\frac{1}{4}$ oz. 50c. Single Mixed. Pkt. 10c; $\frac{1}{4}$ oz. 25c; $\frac{1}{2}$ oz. 45c.



Salpiglossis



Double Chrysanthemum Sunflower (Page 32)



Scabiosa



Schizanthus



Stocks or "Gillyflower"

†RHODANTHE

(Strawflower)

Excellent garden cut flowers, blooming freely in late summer on plants 9 to 12 inches high. These come in white, pink and red, and when dried are charming "everlastings" for winter.

Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

RICINUS (Castor Oil Plant)

Tender annual. Singly, it makes a perfect pyramid, thickly set with its enormous beautifully lobed leaves; or, a large group gives a tropical effect.

Zanzibarensis. Robust strong grower, foliage green and red.

Mixed. Pkt. 10c; oz. 25c; $\frac{1}{4}$ lb. 75c.

*RUDBECKIA

Newmanni (Black-Eyed Susan). $1\frac{1}{2}$ to 2 ft. Daisy-like flowers, orange-yellow with prominent blue-brown cone.

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Purpurea (Purple Coneflower). Plants 2 to 3 feet. Large flowers with the drooping petals colored reddish purple, with a large cone-shaped center of brown. Each bristle golden tipped.

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

†SALPIGLOSSIS

Half-hardy annual, 2 feet. The flowers are open bell-shape, numerous and gracefully set on the stems, varying by culture from 2 to 4 inches across. The colors are rich and voluptuous, with metallic luster, marbled and penciled on, many flowers having the appearance of being sprinkled with gold dust. Bloom from August to October, on long stems, making an ideal cut flower.

Emperor Choice Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

SALVIA [Flowering Sage]

This very popular plant is a tender perennial, but should be treated as an annual.

America Because of its uniform growth coupled with profuse and continuous bloom, America is particularly valuable for extensive mass bedding.

Pkt. 10c; $\frac{1}{8}$ oz. 45c; $\frac{1}{4}$ oz. 75c.

Blue Bedder. Actually perennial, but treat as an annual. Flowers deep blue, fine for cutting. Seed sown in early spring blooms from July to October.

Pkt. 10c; $\frac{1}{8}$ oz. 60c; $\frac{1}{4}$ oz. \$1.00.

Splendens. The plants grow from $1\frac{1}{2}$ to 3 feet in height, inclined to branch freely towards the top. Bright scarlet.

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

SAPONARIA (Soapwort)

Vaccaria Rose. A showy summer border plant, 2 feet high, bearing great masses of small single flowers; a soft, satiny pink. Cut, they mix well in bouquets.

Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

†SCABIOSA

(Mourning Bride)

"Blue Moon."—See novelties, page 17.

Double Mixed. 2 to $2\frac{1}{2}$ feet. Blooms profusely from July until severe autumn frosts. Flowers are of compact rounded shape, long stems, making them ideal cut flowers which keep in water a week. The colors are both strong and dainty.

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Grandiflora Rosette. A glorious new color; deep rose, heavily suffused with salmon. Should be a rare cut flower with its long, stiff stems.

Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c.

Peach Blossom. A beautiful shade of peach-blossom-pink, large size and long stems. An excellent cut flower.

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

†SCHIZANTHUS

(Butterfly Flower)

Annuals, producing in a few weeks from seed, a plant obscured by a wealth of beautiful flowers in many colors—spotted, blotched and veined.

Hybridus Grandiflora. Choice mixed.

Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

†STATICE

This is one of the most popular "Everlastings," producing liberal crops of medium-size cut flowers in a wide range of colors—spotted, blotched and veined—in just a few weeks from sowing. Dried, they keep indefinitely.

Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 15c; $\frac{1}{4}$ oz. 25c.

*STOKESIA

(Stokes' Aster)

Cyanea. Showy deep lavender-blue, aster-like flowers, in broad clustered heads from June on. Blooms first year from seed. $1\frac{1}{2}$ to 2 feet.

Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

STOCKS

The "Gillyflower" is a half-hardy annual. The flowers in close-set, thick panicles on both main and side stems.

Giant Double Perfection "Cut-and-Come-Again"

An "everblooming" strain commencing in July (from seed sown in March or April), but attaining perfection in September and October. Mixed.

Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

Dwarf Double Ten Weeks

Sturdy, dwarf, compact growth, all but a small percentage coming fully double, in very large size flowers.

Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c.



†SUNFLOWER (Helianthus)

Double Chrysanthemum-Flowered. 6 feet. Double 5-inch flowers. Pkt. 10c; ¼ oz. 20c; oz. 60c.

Large Russian. 10 to 15 feet. Double. Raise the seed in quantity, for poultry. Oz. 10c; ¼ lb. 15c; lb. 25c.

Purpureus (New Red Sunflower). The flowers come in various shades of red, and red margined with yellow, ranging from 2 to 5 inches in diameter. Plants grow branchily 3 to 4 feet high, and bloom freely. Pkt. 10c; ¼ oz. 15c; oz. 35c.

TAHOKA DAISY

A recent introduction, which produces a wealth of 1½-inch, brilliant lavender daisies, July to Oct., on rounded cushions of lacy light green foliage a foot high by 2 feet spread. These from spring-sown seed. Extra good cut flowers, and a remarkably showy garden plant, defiant of heat and drought. Pkt. 10c; 1/16 oz. 40c; ⅛ oz. 70c.

TITHONIA (Mexican Sunflower)

Speciosa. 6 ft. An early, fall-blooming background plant, resplendent with large, deep golden orange single flowers like zinnias. Pkt. 10c; ⅛ oz. 25c; ¼ oz. 40c.



Verbenas

†SWEET PEAS

CULTURE. Locate planting where there will be uninterrupted sunlight, in as good soil as possible, thoroughly mixed with well-rotted manure. Seed should be sown in March if possible, about 6 inches down in the trench. Support in the form of brush, chicken wire, or taut strings should be supplied, plants thinned 2 to 4 in. apart, and soil drawn in for root protection.

EARLY FLOWERING SPENCERS

PRICE

½ oz. 20c; oz. 35c;
¼ lb. \$1.00.

Heather Bell. A deep mauve-lavender. Very striking color, and of attractive form.

Hercules. Giant pink, with white base. One of the very large kinds.

Shirley Temple. Four very large flowers with slightly fluted petals, to each stem. A dainty soft rose-pink.

Snow Storm. (Improved strain). A clear, sparkling white.

SUMMER FLOWERING SPENCERS

PRICE: ½ oz., 15c; oz., 25c; ¼ lb., 60c;
½ lb., \$1.00.

Charity. Pure crimson; a bold, brilliant flower, defying the sun to burn.

Constance Hinton. A mammoth sized white, at first faintly blushed.

Reflection. One of the very best; clear blue. Vine vigorous; flowers large, on long stems.

Scarlet Welcome. Dazzling scarlet; a vivid, satisfying color.

MIXTURES

PRICE ½ oz. 10c; oz. 15c;
¼ lb. 45c; lb. \$1.25.

"Early Sunrise" Mixture

This is a wonderful blend of the named Early Flowering Spencers.

Summer Spencers Mixed

A great many varieties and colors.

S. & H. "Sunset" Mixture

Exactly apportioned in our mixing for a color balance, from choice named varieties of summer Spencers.

TORENIA

Fournieri ("Wishbone Flower"). A fine branching, small-leaved annual plant useful for vases, hanging baskets, and summer borders. Plants are covered the entire season with inch-thick solitary flowers; deep sky-blue, with three velvety violet spots, yellow throat. Pkt. 10c; ⅛ oz. 35c; ¼ oz. 60c.

***VERONICA incana.** 1 foot. Showy silver-white foliage; slender spikes of amethyst-blue flowers. July-August. Pkt. 10c; ⅛ oz. 40c; ¼ oz. 75c.

***VIOLA** (Tufted Pansy). Dwarf edging plants, hybrids of the Alpine Violet and garden Pansies. They bloom 8 months if sheared often. **Mixed.** Pkt. 10c; ⅛ oz. 20c; ¼ oz. 35c.

***YUCCA filamentosa** (Spanish Bayonet). Broad, sword-like leaves quite evergreen. Midsummer flowers on tall, branched spikes; pendent, large, creamy white bells. Pkt. 10c; ⅛ oz. 15c; ¼ oz. 25c.



Sweet Peas

VERBENA

Mammoth Flowered. A showy creeper with uprising stems to 18 inches, literally covered, midsummer to frost, with umbels of brilliant bloom in several distinct colors. **Mixed.** Pkt. 10c; ⅛ oz. 15c; ¼ oz. 25c.

Beauty of Oxford Hybrids. Individual florets one inch in diameter. Robust and fairly upright, although freely branched. The colors are delightful shades ranging from clear rose-pink to deep rose-red. **Mixed.** Pkt. 10c; ⅛ oz. 35c; ¼ oz. 60c.

***Venosa** (Hardy Garden Verbena). 12 inches. Showy purple flower spikes all summer. Pkt. 10c; ⅛ oz. 40c; ¼ oz. 75c.

WALLFLOWER

Early Wonder Double Mixed. 2 feet. Many spikes of fragrant double flowers in a fine range of colors. Pkt. 10c; ⅛ oz. 30c; ¼ oz. 50c.

S & H "Color Riot" Annual Mixture

Contains a mixture of seed from hundreds of free flowering annuals that will give amazing effect the first year.

*Perennial Mixture

A splendid mixture; all free flowering and very desirable. Both: Pkt. 10c; oz. 25c; ¼ lb. 75c.

ROCK GARDEN Annual Mixture

An association of 25 kinds suitable for a rockery. Pkt. 10c; ½ oz. 35c; oz. 60c.

*Perennial Mixture

Made up from 50 choice rock garden perennials. Pkt. 10c; ⅛ oz. 30c; ¼ oz. 50c.

†ZINNIAS

Hardy annual. We recommend zinnias for beds, borders and summer hedges, where they will bloom quite freely, and are incomparably bright during the month of August. Sow seed in the open ground early in spring or start in hotbed or window and transplant when ground is suitably warmed.

DAHLIA-FLOWERED

They very closely resemble the double decorative type dahlias in form and in their robust growth. Plants get up to 3 feet in height with perfect flowers often 6 inches wide by 3 and 4 inches in depth. These range widely as to color, even depths and tones heretofore unknown in zinnias.

Double Dahlia - Flowered

Mixed Pkt. 10c; $\frac{1}{8}$ oz. 15c;
 $\frac{1}{4}$ oz. 25c; oz. 75c.

Giants of California

A distinct new type with flattened flowers only an inch thick, but 5 to 6 inches across, the short, overlapping petals loosely arranged in a delightful informality unique among zinnias. Branching plants 3 feet high, producing an extravagance of long stemmed, vividly colorful bloom.

Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

Scabiosa - Flowered

Flowers $2\frac{1}{2}$ to 3 inches across, with broad outer petals surrounding a cushion-like crown of many quilled petals; remindful of the annual Scabiosa and the crested double Cosmos. Colors include white, shades of yellow, orange, crimson, and scarlet. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

DOUBLE POMPON or "Lilliput"

Double Pompon Mixed. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Lilliput Pastel Shades. Compact flowers 1 to $1\frac{1}{2}$ inches in delicate shades of apricot, peach, yellow, shell-pink, salmon-rose and orchid. Very free bloom. 45 days. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 30c; $\frac{1}{4}$ oz. 50c.

Red Riding Hood. 12 inches. Vividly effective; bright crimson-scarlet. Once used, ever after wanted. Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Zebra (Stricta Elegans)

Medium size, compactly double, evenly imbricated flowers of every color, each gaily splashed and mottled with contrasting shades. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Fantasy

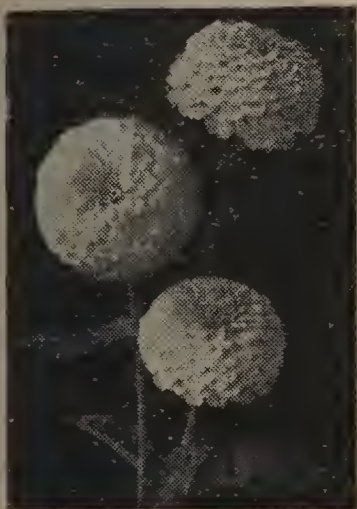
Plants $2\frac{1}{2}$ to 3 feet. Splendid, well-rounded, good sized flowers in all-season abundance of pleasingly unique construction, popular both for cut flowers and for bedding. The colors range through orange, red, pink and cream, with pastel tones. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

Star Dust

Rich golden yellow color, derived from "Fantasy." A delightful cut flower on long stems. Pkt. 15c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.



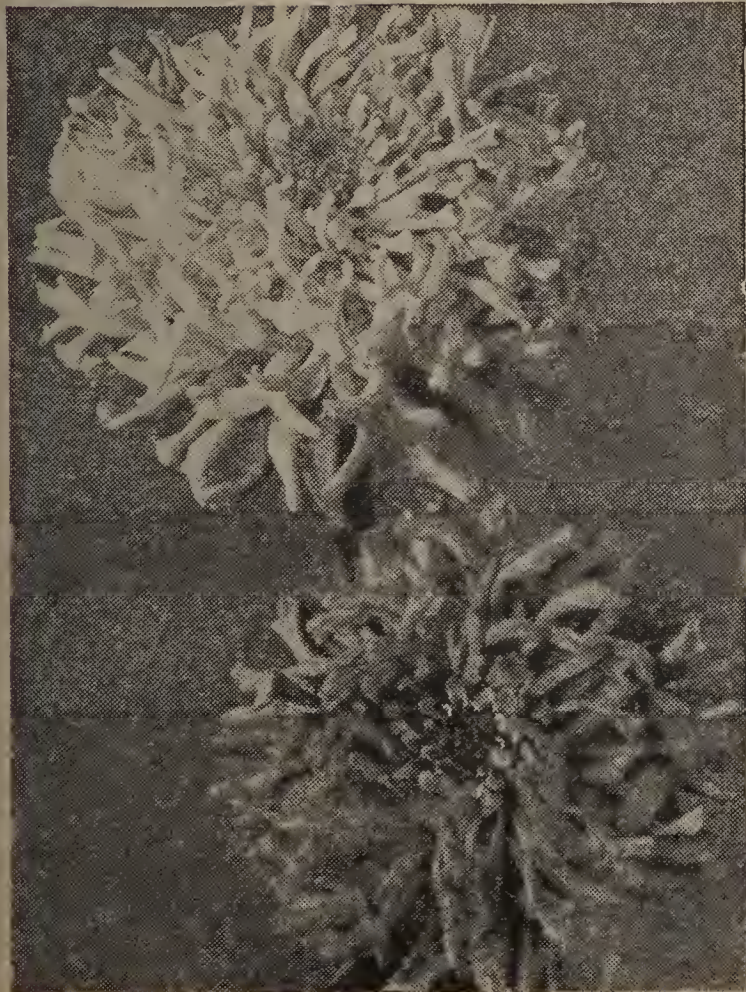
Navajo Zinnias



Lilliput



Zebra



New Zinnia "Fantasy"



Dahlia-Flowered Zinnia



Picotee Zinnia

GIANT PICOTEE

Plants 2 to $2\frac{1}{2}$ feet and firmly compact.

The beautiful flowers are of a giant type, each petal distinctly tipped with a darker shade as in Picotee Carnations. They come in a variety of colors, including orange, flesh, lemon, pink and cerise, each with the

peculiar markings on tips of petals. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 20c; $\frac{1}{4}$ oz. 35c.

DWARF ZINNIAS

Gypsy One of the new "Early Wonder" group, which gives flowers about 30 days from seed. Plants 15 to 18 inches. Medium sized double flowers on long wiry stems; a rich, deep, burnished orange. Pkt. 15c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

Linearis Very dwarf but spreading, 8 to 10 inches high, by 2 feet. Early flowering; single flowers deep golden orange with light central stripe and dark center. Pkt. 15c; $\frac{1}{8}$ oz. 40c; $\frac{1}{4}$ oz. 70c.

Navajo Zinnias Special recommendation by "All-America" selection for 1938. Blooms freely from early summer into late fall. A dazzling bedder, and very charming for bouquets. Flowers medium-sized, double and semi-double, ranging in color through lilac, lavender, russet, crimson, orange, yellow, pink and other pastel shades. The outer $\frac{1}{3}$ of each petal is a decided light contrast to the body color. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 35c; $\frac{1}{4}$ oz. 60c.

Spun Gold 12 to 18 inches. 45 days. Double flowers $2\frac{1}{2}$ to 3 inches wide. A delicate pastel shade of butter-yellow. Pkt. 10c; $\frac{1}{8}$ oz. 25c; $\frac{1}{4}$ oz. 40c.

Tom Thumb Neat, compact plants maturing to not over 10 inches. The perfect double flowers vary from one to two inches wide, commence appearing with the first leaves just above ground, and continue lavishly throughout the season. Colors express all shades of red, yellow, white, and pink. **Mixed.** Pkt. 10c; $\frac{1}{8}$ oz. 35c; $\frac{1}{4}$ oz. 60c.

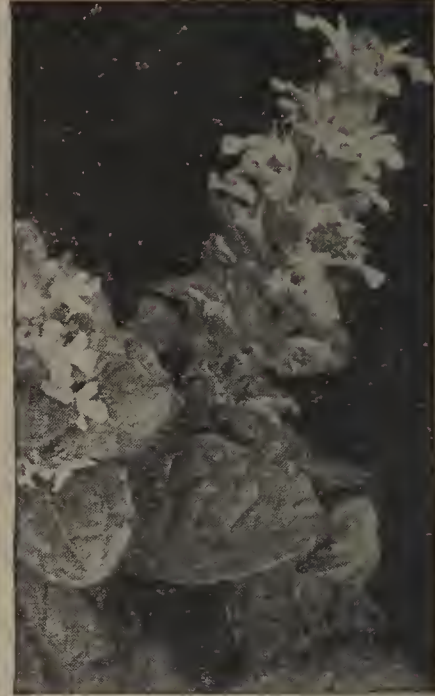
S & H HARDY PERENNIAL PLANTS



Achillea, Boule de Neige



Alyssum Saxatile Compactum—"Golden Tuft"
(Associate this with Dwarf Anchusa and Cerastium)



Ajuga Reptans Rubra

◆ This Mark Designates a Rock Plant ◆

THE strongest practical argument in favor of hardy perennials is the fact that once planted, they continue year after year with no further gardening concern beyond cultivation, cutting and thinning.

In all descriptions, we aim to show normal matured height, blooming period, color, and any special quality or utility; so that the reader may easily select and associate varieties to fit any desired plot or purpose.

PLANTING. These roots may be planted as early in spring as the ground is pliable (or in the autumn); selecting an opportunity when the soil is not cold, wet or soggy. Large clumps are not necessary nor often desirable; the smaller divisions or pot grown stock showing more thrift and virility and developing into shapelier plants than the bulkier old roots.

Any good soil sensibly enriched with fertilizer, dug deep and thoroughly mixed, will be satisfactory.

WINTER PROTECTION. Everything listed in this section is "hardy," but in varying degree. A light covering of coarse straw, manure or leaves (not over 2 or 3 inches deep) will give comfort to all kinds, and insure safety.

This is How We Price Them

3 — By Mail—We Pay the Postage
The least number practical for planting; for show, for cutting, and for protection of the variety should one plant die. If you can use only one plant, the price is (unless stated) 1/10 of dozen rate.

Doz. (6 of a kind take the dozen rate.) A dozen, or half-dozen of each are much more impressive than lesser lots.

100 By Express—You Pay the Charges
(25 of a kind take the hundred rate.) Landscape effects require solid masses. Roughly 100 rate is 7 times dozen prices—or write us.

ACHILLEA, Boule de Neige (Ball of Snow). 18 inches. The best white-flowered edging plant; erect, stiff stems and compact clusters; fully double, rounded, pure white florets. June on. Longest blooming season.

—**Cerise Queen** (Rosy Milfoil). Fine cut, decorative foliage on spreading bushes 18 inches high. Brilliant cerise-red flowers continuous all summer, in flat umbels. This with foliage, is a dainty bowl cut-flower.

—**Perry's White**. 2½ feet. Characterized by rigid, upright stems. Extremely free, with clustered double white flowers, superior for cutting. June and July.

—**The Pearl**. 3 feet. A valuable landscape type, with long wands of pure white flowers in midsummer.

—**Tomentosum**◆ (Woolly Yarrow). A low mat of leaves, bright with flat heads of yellow flowers in June and later.

All Achilleas: 3, 70c; doz., \$2.50.

ACONITUM Wilsoni (Monkshood). 6 feet. Latest, Sept. and October. Valuable for either sun or shade, and very hardy. The foliage is attractive, and the bloom abundant in long dense spikes of hood-shaped flowers; violet-blue. Each, 40c; 3, \$1.10; doz., \$4.00.

AGROSTEMMA Coronaria (Rose Champion). 2½ feet. White woolly leaves, and midsummer solitary, phlox-like crimson flowers; a striking contrast.

—**Alba**. The flowers are glistening white.
3 for 70c; doz., \$2.50.

AJUGA◆ (Bugle). Excellent carpeting plants for grass, bare spots in border, beneath trees or in rockery, in either sun or partial shade; blooming May and June.

—**Reptans rubra**. 3-4". Deep purplish blue.

—**alba**. 3-4". Blush-white.

—**Variegated**. A new derivation in which the leaves are heavily veined white.
3 for 85c; doz., \$3.00.

ALYSSUM◆ **Argenteum**. 15 inches. Dense upright growth, leaves silvery beneath, flowers yellow, in clustered heads. June-July. 3, 70c; doz., \$2.50.

—**Moellendorffianum**. Small silvery leaves; yellow midsummer flowers in small umbels. 3, 70c; doz., \$2.50.

—**Montanum**. Gray leaves of varying shape; low, compact. Fragrant, yellow clusters. 3, 85c; doz., \$3.00.

—**Saxatile Compactum** (Golden Tuft). 12 inches. A flat-spreading edging and rockery plant, completely covered with bright golden yellow clusters. May-June. 3, 70c; doz., \$2.50.

—**Serpyllifolium**. 4-5". Rough, gray leaves; racemes of pale yellow flowers, in season just following Saxatile. 3 for 85c; doz., \$3.00.

ANTHEMIS Kelwayi (Hardy Marguerite). 18 inches. Golden yellow "Daisies" all summer. 3, 55c; doz., \$2.00.

—**Aizoon**◆ 6 inch. The pretty "Mountain Chamomile," with silvery foliage and yellow flowers. A quite striking rock plant. 3, 70c; doz., \$2.50.

ANCHUSA

(Alkanet)

Dropmore variety. 3 to 5 feet. Intermittent bloom until late summer. The stools are quite dense and bushy, each stem nearly covered full length with double, inch-wide flowers of the deepest cobalt-blue. 3, 50c; doz., \$2.50.

Myosotidiflora◆ A beautiful dwarf specimen, or massing plant, with broad foliage on spreading stools. The vivid flowers in May are glorified "Forget-me-nots," in a rich gentian-blue. You cannot conceive their sparkling beauty until you have seen them in appropriate spring setting. Each, 35c; 3, 85c; doz., \$3.00.



Dwarf Anchusa



Arabis Alpina



Armeria—"Thrift" or
"Cushion Pink"



Aquilegia Caerulea

ANEMONE [Windflower]

ANEMONE ♦ **Hupehensis.** A miniature Japonica, 10 to 12 inches, in profuse bloom from August on, with 1½-inch single flowers colored bright mauve-rose.

ANEMONE JAPONICA. A most valuable class of hardy plants suitable for edging, massing or single specimens. They grow rapidly 2 to 3 feet and are profuse in bloom, gaining strength and beauty each year. The blooming period extends from August till mid-November.

Field-Grown Plants

- Alba.** Glistening, pure white.
- Kreimhilde.** Double; deep pink.
- Queen Charlotte.** Semi-double; "La France" pink.
- Rubra.** Brilliant rose-red; yellow center.
- September Charm.** Silvery pink.
- Whirlwind.** Excellent large, double white flowers.

All: Each, 25c; 3, 70c; doz., \$2.50.

AQUILEGIA [Columbine]

Distinct, deeply cut foliage and delicate arrangement of colors in the pendent flowers. Dainty, showy and desirable as cut flowers, available for Memorial Day; especially suitable for rockwork, at the base of foundation walls and under trees. Bloom in early spring into July; preferring partial shade.

Caerulea. Sky-blue with white corolla. 3, 85c; doz., \$3.00.

—**Rosea.** Shiny pink sepals.

Chrysantha. All over pure bright yellow, late blooming.

Chrysantha alba. Pure white flowers.

Copper Queen. Coppery red with darker spurs; anthers straw-yellow. 3, 85c; doz., \$3.00.

Crimson Star An English novelty. Tall, vigorous and productive; its large uniquely colored, long-spurred flowers extremely showy in the garden as well as in bouquets. Spurs and sepals blood-red, the petals pure white. 3, \$1.00; doz., \$3.50.

Double Deep Blue. Bulky, semi-double; short spurs.

Dobbie's Imperial Hybrids. English; notable for size, long spurs, and extensive range of colors. **Mixed.**

Golden Columbine. Very showy deep golden yellow, blocky flowers with medium spurs.

Longissima. 3 feet. Nodding flowers a gleaming canary-yellow, with 5-inch spurs. July-Oct. 3, \$1.00; doz., \$3.50.

Long Spur Blue Shades. Selected.

Long Spur "Lemon Queen." 3, 85c; doz., \$3.00.

Mrs. Scott Elliott's Long-Spurred Hybrids Mixed. An old English strain; free-blooming, in pastel shades.

Rose Queen. A charming new variety; glistening bright rose with white corolla. 3, 85c; doz., \$3.00.

Aquilegias, except as noted: 3, 70c; doz., \$2.50.



Anemone Japonica

ARABIS ♦ **Alpina (Rock Cress).** 12-inch. Small white terminal racemes. Bloom in May and continue a long time. 3, 70c; doz., \$2.50.

—**Alpina Pl. Pl.** Same as the above, but with double white flowers. 3, \$1.00; doz., \$3.50.

—**Alpina, Snow Cap.** Most compact habit and extravagant bloom; like little cushions surfaced like drifted snow. 3, \$1.00; doz., \$3.50.

ARENARIA ♦ **Montana.** 4-inch. Close tufts, profusely covered in May with small silvery white "morning-glory" flowers.

—**Verna Caespitosa.** The ideal green moss for stepping stones. Of beautiful texture and fast color, completely filling the cracks between stones in walk or rockery. Tiny white flowers in early spring. All Arenarias: 3, 85c; doz., \$3.00.

ARMERIA ♦ (Thrift). Rosettes of narrow evergreen leaves on the ground, from which arise many slender, naked stems crowned by a compactly round flower.

—**Formosa Hybrids.** 16 inches. Large ball-shaped flowers. A vivid mixture of pinks, reds and purples. 3, 85c; doz., \$3.00.

ARTEMISIA — **Silver King.** A beautiful "misty" network of branches, fine stemmed and slender leaved. The opening leaf buds gleam like tiny beads, the entire color effect bright frosted silver. 3 feet, compact pyramids.

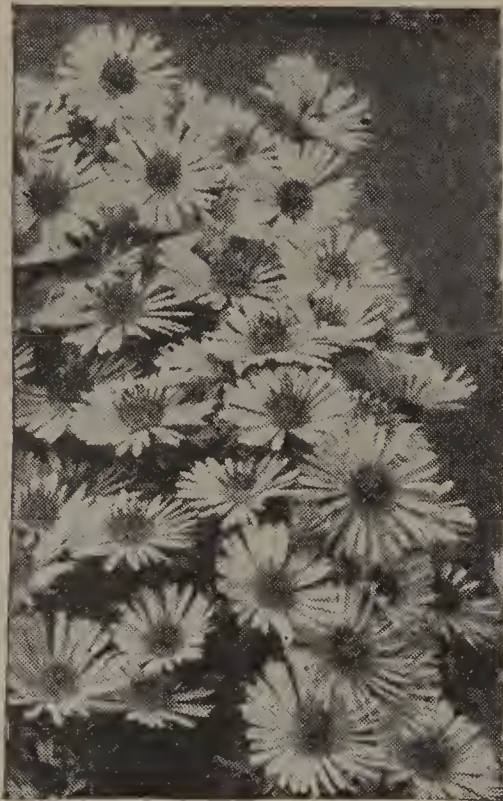
—**Lactiflora.** Deep green, cleft foliage and compact bush shape, attractive throughout the summer. During August and September the creamy white flowers, which resemble herbaceous Spireas and are sweetly scented, are borne in large terminal panicles on erect stems. 3 to 4½ feet tall. Both: 3, 70c; doz., \$2.50.



Long-Spurred Columbine



New Dwarf Edging Asters



Hardy Aster, Climax



Astilbe

HARDY ASTERS

Abendrothe. 3-5'. Oct. Deep rose-pink.

Alpinus ♦. (5-10"). May and June.

Short stemmed but large flowered;

lavender-blue with orange-yellow disc.

Blue Gem. 3 feet. Large rich violet-blue of good form and size.

Climax. (4'). Pyramidal clusters of light lavender-blue, with a prominent golden cone at center. Aug.-Oct.

Mrs. F. W. Raynor. 3½ feet. Oct. Very large, flat flowers; deep, dark crimson-red. Distinct and showy. 40c each; 3 for \$1.00.

Roseus Superbus. 3'. Late; rose-pink.

Sunset. 3'. Glowing "sunset" pink.

St. Egwin. Rounded bush; covered by small dainty flowers of pastel pink.

White Climax. Like the blue type.

Except noted: 3, 55c; doz., \$2.00.

New Hybrid

♦ Dwarf Edging Asters ♦

Bloom profusely throughout September, with all-covering, large flowers.

Countess of Dudley. 9 in. Charming flowers of clear pink with yellow eye.

Lady Henry Maddocks. 1 ft. Solid, clear pale pink; very compact.

Marjorie. 12 in. Large flowers. Daintily, covered with bright rose-pink.

Nancy. 1 foot. A delightful show of flesh-pink flowers. Late.

Ronald. 1 ft. Brilliant lilac-pink, with rose-pink buds.

Snowsprite. 1 ft. Early. Smothered with large semi-double white flowers.

Victor. 8 inches. Early, dwarfest, very pretty; light lavender-blue. 25c each; 3 for 70c; doz., \$2.50.

ASTILBE [Spirea]

Spreading plants. 2 to 3 feet high, with attractive foliage; during June and July throwing up long, plummy colorful wands of bloom.

Amethyst. Deep violet-purple.

Betsy Cuperus. Long immense spikes; white with pink threads.

Gloria. Dark pink shaded lilac.

Pink Pearl. Beautiful shell-pink.

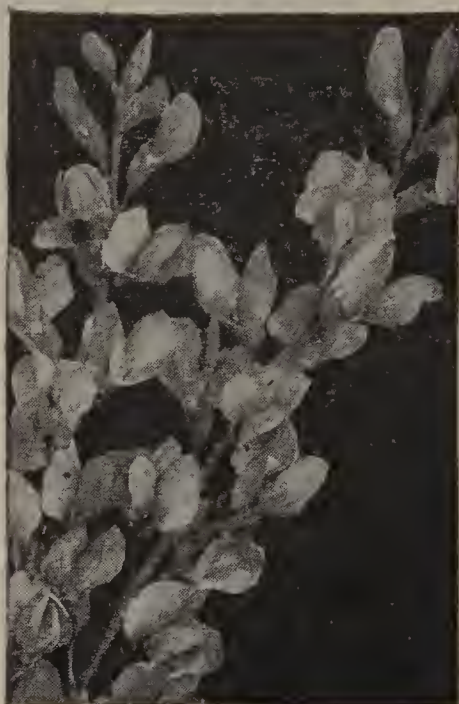
Peach Blossom. "Peaches and Cream." Each, 45c; 3, \$1.25; doz., \$4.00.

NEW ASTILBES

Etna. Very large panicles, the most vivid bright red; very early.

Fanal. Dark, deep, crimson red; very fine.

Each 75c; 3, \$2.00; doz., \$7.00.



Baptisia

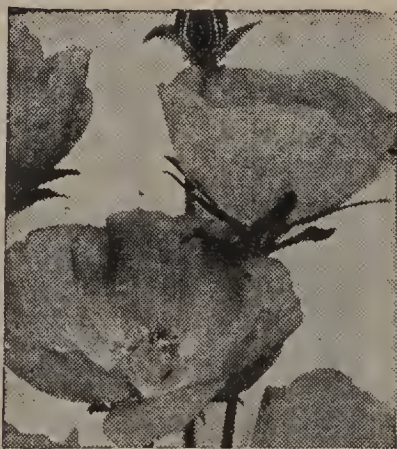
BAPTISIA ♦ **Australis** (False Indigo). Deep blue racemes during June and July. 2 feet, 3, 70c; doz., \$2.50.

BOLTONIA. 5 feet, bushy plants with aster-like flowers for late summer.

—**Asteroides.** White.

—**Latisquama.** Pale lavender flowers. Both: 3 for 55c; doz., \$2.00.

CALAMINTHA ♦ **Alpina.** 6 inches. Dwarf, twiggly, savory herb; useful in wall and rock gardens, with pretty purple spikes of mintlike flowers in June. 3, 55c; doz., \$2.00.

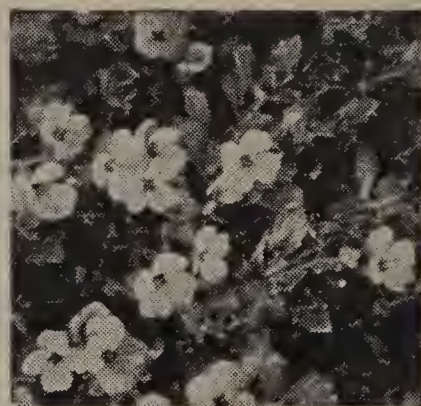


Callirhoe—Wine Poppy

CALLIRHOE **Involucrata** ("Wine Poppy"). A trailing plant with divided leaves and large saucer-shaped flowers from July on; crimson-rose with white center. Protect for winter. 3, 70c; doz., \$2.50. (This is pronounced cal-lir-ho'ee).

ASCLEPIAS **Tuberosa** (Butterfly Flower). 2½ feet. A familiar field flower; the cultivated form making a delightful show of orange flowers during early summer. This is particularly valuable because bright, genuine orange color is so important in gardening schemes; and there are so few dependable plants to provide it. 3, 55c; doz., \$2.00.

AUBRIETIA ♦ (Rock Cress). **Deltoides** **Hybrids.** Fine for ground covering or rockery, with spring flowers in various soft colors. 3, 85c; doz., \$3.00.



Aubrietia

BOCCONIA **Cordata** (Plume Poppy). (6 to 8 ft.). Immense flat, deeply indented leaves of silvery green on pearl-pink stalks. Flowers creamy white, produced in large upright panicles which persist. 30c each; 3 for 70c; doz., \$2.50.



Bocconia—"Plume Poppy."



Canterbury Bells

CAMPANULA

(Bellflower)

Carpatica ♦ (Carpathian Harebell). (8"). A pretty compact species. Flower bells 1 inch in diameter. **Blue or White.**

Calycanthemum. ("Cup and Saucer"). Single cup-shaped flowers 3 inches long, set in a saucer-like calyx. **Blue, Rose or White.**

Medium ("Canterbury Bells"). (2-3'). Its numerous branches crowded with deep bells, the edges softly rolled back and fluted. In July. **Blue, Rose or White.**
Foregoing: 3, 70c; doz., \$2.50.

Following: 3, 85c; doz., \$3.00.

Persicifolia ♦ (Peach Bells). 1½ to 2 ft. high; many, small salver-shaped flowers. **Blue or White.**

Persicifolia gigantea Moerheimi. 2 to 3 feet. A beautiful double white variety, flowers 2 inches in diameter. May into July.

Pyramidalis (Chimney Bellflower). Very conspicuous, 4 to 5 feet high. Profuse salver-shaped flowers in September. **Blue or White.**

GARDEN CARNATION

Hardy Harvard Introduced by S. & H. Co., in 1935. Of English origin, 100 years on one family estate. Similar to the American developed "Crimson King"; but much hardier, with more velvet in its crimson color, more perfect double petalage, and a dignified demeanor unmatched among the more transient garden flowers.
Each 40c; 3, \$1.00; doz., \$3.50.



Cerastium Tomentosum



Hardy Carnation, "Hardy Harvard"
(A choice new crimson garden flower)

CASSIA Marilandica (Am. Senna). Shrublike growth, 3 to 5 feet, with fern-like pinnate foliage; leaf and stem bright green tinged yellow. The flowers (July-Sept.) are in gay racemes; orange-yellow with slight black bee. Each, 30c; 3 for 70c; doz., \$2.50.

CATANANCHE ♦ **Caerulea** (Cupid's Dart). 2 feet. Long, stiff flower stems, the ends crowned by blue flowers resembling Bachelor's Button. July, August. 3, 70c; doz., \$2.50.

CENTAUREA (Knapweed).

—**Dealbata**. 2 feet. June, July. Rose-pink flowers similar to "Sweet Sultan."
—**Macrocephala**. 3½ feet. July and August. Large, thistle-like golden yellow flowers, good for cutting.

—**Montana** (Mountain Bluet). 2 feet. Bearing large, loose petaled flowers of violet-blue from July to September.

All: 3, 70c; doz., \$2.50.

CERASTIUM ♦ **Tomentosum** ("Snow-in-Summer"). A low edging or carpet plant, with matted silver foliage and early white flowers. 3, 70c; doz., \$2.50; 100, \$15.00.

CHEIRANTHUS ♦ **Allioni** (Siberian Wallflower). A showy 12-inch rockery plant, ablaze all summer with close panicles of intensely bright orange flowers.

—**Golden Bedder**. 18". Very large, very bright, very fragrant clusters of golden yellow flowers. Make good cut flowers as well as rockery and border units.

Both: 3, 70c; doz., \$2.50.

CHELONE Lyoni (Shellflower). A 2-foot border plant of grace and dignity. Numerous flower spikes of considerable bulk during late summer and fall; showy purplish red. 3, 70c; doz., \$2.50.

CHRYSANTHEMUMS. 31 choice hardy garden types, and a set of Koreans, on pages 38, 39.

COREOPSIS

Lanceolata Grandiflora. 18 to 24 inches. 2-inch, single flowers, rich golden yellow, in great profusion nearly the entire summer on slender, wiry, upright stems. This is the well known variety long popular for all-summer bouquets and yellow garden show. 3, 55c; doz., \$2.00.

Auricula Superba. Deep yellow, enriched by a reddish band about the eye. Quite showy. 3 for 70c; doz., \$2.50.

Mayfield Giant. 30 inch. A new Australian variety improving all solid yellow types. The plants are more robust, firm cutting stems longer, and flowers larger with broad petals. A variety which will eventually replace the older types. 3, 70c; doz., \$2.50.



Centaurea Macrocephala



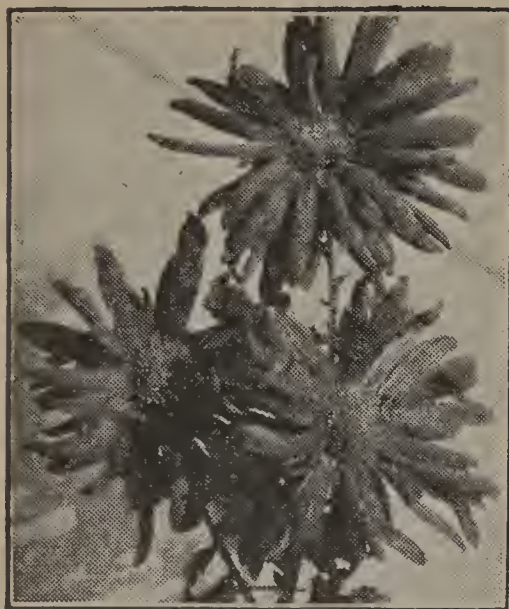
Cimicifuga



Coreopsis

CIMICIFUGA Racemosa (Snakeroot). Good heavy foliage, with many 4-foot swaying flower spikes during July and August. The terminal flowers are small but in good sized clusters; pure white. Displayed to advantage as a background, or as punctuations among the undergrowth of woodlands. 3, 70c; doz., \$2.50.

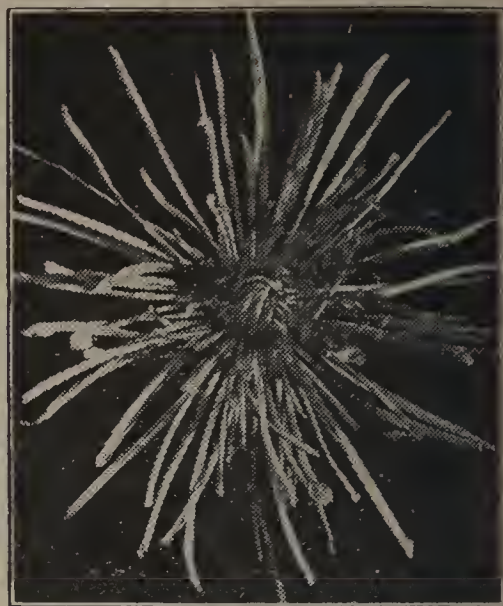
CORYDALIS Cheilanthesifolia ♦ Fern-like foliage; yellow flowers in 10-inch spikes. Good rock or border plant. 3, 70c; doz., \$2.50.



Persia



Tasiva—The Lovely "White Cushion"



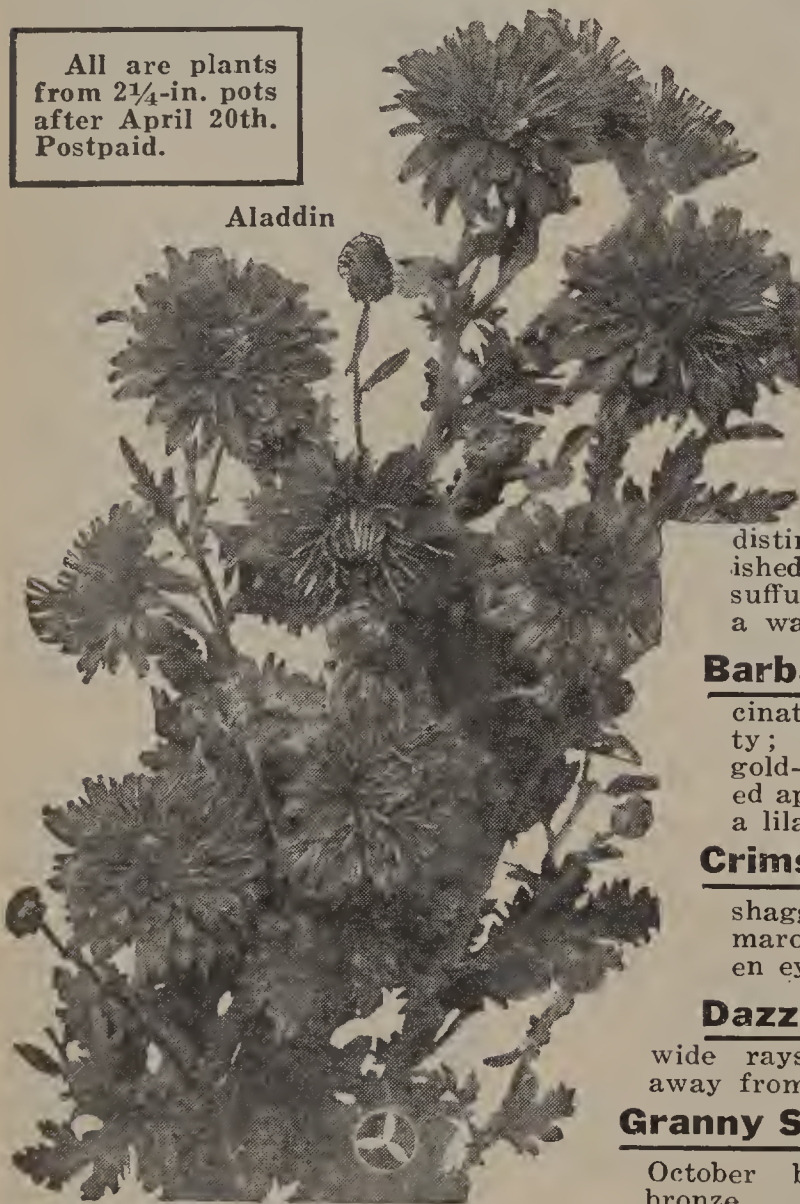
Peggy Ann Hoover

Hardy Chrysanthemums

The following fine, rugged varieties assembled from various classes, have proven hardy throughout the middle west, with some protection, during winter. Is advisable to cut off the old tops to a few inches above the ground, then cover with old straw or leaves before winter sets in. The best blooms will result from annual transplanting, separating the year-old clumps into small divisions.

All are plants from 2 1/4-in. pots after April 20th. Postpaid.

Aladdin



RECENT NOVELTIES

25c each; 3 for 70c; \$2.50 per doz.

Aladdin 2 1/2-3 inches. "The Ever-blooming 'Mum.'" A tall, much branched plant; the first terminal flowers in July or August; uninterrupted on until frosts. The distinct, delightful color is polished bronze, overlaid with a suffusion of damask rose and a warm light red.

Barbara Cumming 1 3/4 in. A fascinating tight-clustered variety; the dominant center a gold-tipped, shiny bronze, flushed apricot; the marginal petals a lilac-tinged white. Sept.

Crimson Splendor 4 inches. A great shaggy single flower; crimson-maroon with a gleaming golden eye. Sept.

Dazzler 2 1/2 inches. A showy October single; with wide rays of orange-red flaming away from the yellow eye.

Granny Scovill 4 inches. Full, fluffy, lovely October bloom; a warm coral-bronze.

Peggy Ann Hoover (5 in.). A three-weeks cut flower. Many long, flaring, distended needles; clear orchid, fading to white at base and at the tiny calla-like tips. Oct.

Persia (2-3 in.). Semi-double, irregular petalage. Deep rosy carmine about a yellow eye; a central fringe incurving to show flashes of silver. Oct.

Tasiva (3 in.). An exquisite, very early white "cushion". In September, the broad mound becomes suddenly smothered in creamy buds, which day-by-day unfold into luscious, fluffy flowers—purest white with a soft canary breast.

NEW HYBRID KOREAN Chrysanthemums

This is a valuable new race of perennials introducing lovely pastel shades into October landscapes, with profuse single flowers. Height, 2 to 2 1/2 ft.

Apollo The most profuse bloomer, the flowers 2 inches across. A sparkling combination of bronze, red and gold, suffused salmon.

Ceres Old gold blended with chamois-yellow; dusted with coppery bronze.

Daphne Flower 3 1/2 inches across; a lovely daphne-pink with a sheen of lilac-rose, and prominent golden stamens.

Hebe Luminous pink maturing soft lavender-pink, the yellow center with in a silvered halo.

Mars Deep amaranth-red with a velvety wine-red sheen. The latest.

Mercury Bronze-red changing to coppery bronze. 3-inch flowers; early, showy, long lasting as a cut flower.

Orion Brilliant canary-yellow; clean-cut, raylike; erect sprays.

Vulcan Glowing carmine, maturing to garnet, and finally to bronze-red; double rayed, around a golden center. 25c each; 3 for 70c; doz., \$2.50.

THE SET One of Each, for **\$1.80**

"CUSHION" MUMS

Pink Cushion

(Illustrated on color page B.)

The 'Mum with a Thousand Buds! The Earliest Blooming Pink 'Mum, August Until Frost.

A wide, dense cushion 18 inches high by 24 to 30 inches across when fully developed; the lovely flowers an intermingling of deep rose buds with successive stages of tender lilac, blush-white, ivory and gold.

30c each; 3 for 85c; doz. \$3.00, postpaid.

Golden Glorymum

New Yellow Cushion

U. S. Plant Patent No. 251.

This is the newest glorious development in those broadly spreading, cushion-shaped, early flowering, smothering flowering types so popular during the past few years.

Brilliant gold and compactness from its "Ohio State" parentage; cushion growth, flower shape and extreme freedom from "Azalea-mum," the other parent.

PRICE, postpaid: Each, \$1.00; 3, \$2.50; 6, \$4.50; 12, \$8.00.



Korean Hybrid—Apollo



Boston Bronze



Petit Louis



Capt. Cook

HARDY GARDEN CHRYSANTHEMUMS

—Concluded

GENERAL COLLECTION

20c

20c each; 3 for 55c;
doz., \$2.00.

All 2 1/4-inch pots.

Adironda. 1 1/2 inches. Thickly clustered, dense; a striking scrambled effect with bronze, red and orange-pink. September.

Alice Howell. 2 1/2 inches. A superb irregular single; yellow overlaid blood-orange. Very free; early.

Boston Bronze. 2 1/2-3 inches. Compactly incurved with dense center; warm amber-bronze with gilded tips.

Bright Eyes. 3/4 inch. Blush-pink, with a vivid eye of amaranth-red above cream.

Button Yellow. 1 1/2 inches. True button type; strong copper-yellow. Oct.

Capt. Cook. 1 1/2 inches. Taller than most; solid lilaceous pink, the tight center amber tipped. Oct.

Excelsior. 2 inches. Rich golden yellow of delicious softness; compact, in alluring clusters. Oct.

Gipsy Queen. 2 inches. Fat amaranth buds opening to Indian red; the semi-quilled collar lined bronze. Oct.

Glory of Seven Oaks. A 3-inch decorative. Earliest yellow, usually starting in July; rich golden yellow.

Marie Antoinette. 3-inch globe; a warm, deep rose-pink.

Mitzie. 3/4 inch. Very free-blooming; dainty little buttons. Golden yellow with maroon-red eye. Early Oct.

SPECIAL OFFER

6

Hardy 'Mums,
(our selection
of six kinds)

\$1.00

Mrs. H. Harrison

lightful bouquet 2 inches. A de-type, with terminal clusters on long stems. Petalage is dense, in uprising quills; warm shell-pink with a silver lining, the center gilded. Very free. Sept.

Muskokah. 3 to 4 inches. An oversize pompon in sprays of 6 to 10 flowers; rich golden bronze. Late Oct.

Ouray. 1 inch. Extra free, thick button; showy red-brown, faintly bronze-tipped. Oct.

Petit Louis

2 1/2 to 3 inches. A great favorite; in full, covering bloom by September. Clustered Aster flowers opening from deep rose buds to an uncertain distribution of blush-white, cream and lilac.

R. Marion Hatton. 2 inches. A good variety for mass effect; and quite resistant to early frosts. Color deep canary-yellow. Oct.

Rose Travena. 1 to 1 1/4 inches. Showy semi-button, free, tall. Vivid cerise-pink, an infrequent shade. Late Oct.

Skibo. 3/4 inch. Minute petals tight-packed; yellow-bronze, with specks of red; clustered. Oct.

The Belle. 2 1/2 inches. Wide-branched, showy late bloom; single, blush white flowers with flashing anemone center of canary and primrose.

Uvalda. 2 1/2 to 3 inches. Bulky, short-quilled, full; earliest blush-white. September.

White Doty. 2 inches. Tall and free; beautiful, rounding, close-quilled florets packed into imposing tufts on the leader, with lesser clusters on the branches. Milk-white, somewhat creamy at center.

WHITE DAISIES

From May to October May-Flowering. Begins to bloom early in May so that its beautiful large sized flowers are available for Memorial Day, continuing with liberal production far into summer.

3, 55c; doz., \$2.00.

Double White Swan. 2 to 3 feet. Good sized, closely double flowers like Pyrethrums. A choice white June cut flower. 3, \$1.00; doz., \$3.50.

Alaska. The popular original giant American "Shasta Daisy." June and July. 3, 55c; doz., \$2.00; 100, \$12.00.

King Edward VII. An English strain, supplementing our American "Shasta Daisy," with larger, purer flowers. 3, 55c; doz., \$2.00; 100, \$12.00.

Martha Johnston

Novelty. This giant new American Daisy produces flat, full flowers of glistening white, 4 1/2 inches across, on rigid stems 3 to 4 feet long which stand up against wind or rain. Foliage is dark green and leathery. Each, 40c; 3, \$1.00; doz., \$3.50.

Arctic Daisy (Chrysanthemum arcticum). Long before the flowers appear, its 8- to 10-inch clumps—veritable rosettes of very dark, shiny foliage—have been well worth while. From September into November, 2 1/2-inch flowers pure white with golden center, or fitfully tinged pale rose. 3, 70c; doz., \$2.50.

The Daisy Chain

Flowers to Cut—Spring to Fall
SHASTA DAISY—Alaska
YELLOW DAISY—Anthemis
PAINTED DAISY—Pyrethrum
ARCTIC DAISY
12 3 each \$2.00
postpaid



Alice Howell



Button Yellow



Shasta Daisies



Wrexham H-H Delphinium

DELPHINIUM

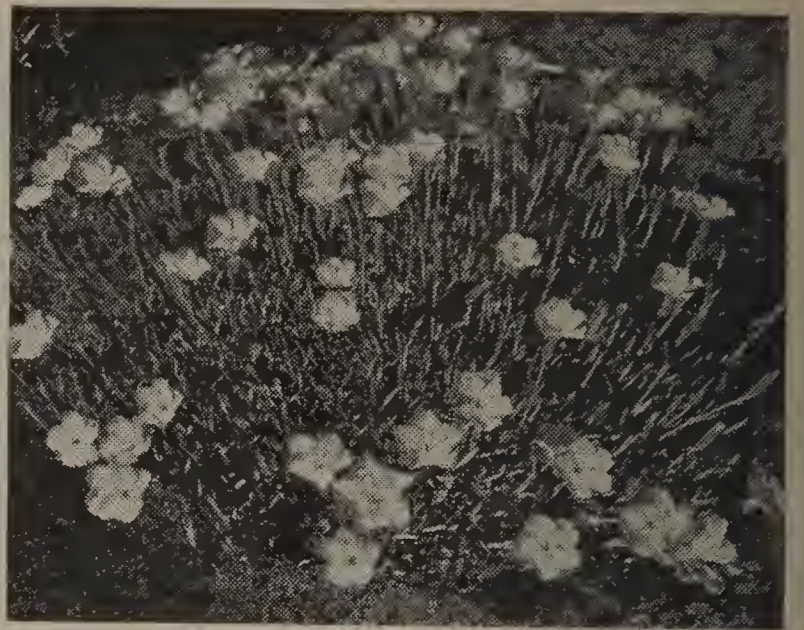
[Larkspur]

One of the most important of all perennials, for landscaping and cutting.

Delphiniums bloom from June till frost on long, showy flower spikes protruding to a height of 3 to 6 feet; so that the plants belong in the background of perennial groups, or in the foreground between shrubs.



Dianthus Deltoides
—The Dainty Spring
"Maiden Pink"



New Dianthus, "Rose Cushion"

TALL LARKSPUR

Belladonna A magnificent sort with large spikes of the most delicate turquoise-blue.

Bellamosa Very dark blue variety, strikingly contrastive.

Both kinds above:

1-yr., 3, 55c; doz., \$2.00; 100, \$12.00.

2-yr., 3, 70c; doz., \$2.50; 100, \$15.00.

Blue Grotto A new hybrid of Bellamosa; medium height, a richer dark or violet-blue.

1-yr., 3, 85c; doz., \$3.00; 100, \$18.00.

Giant Pacific Hybrids (New). Great height, bulky florets, marvelous thick spikes, in mingled blue shades.

1-yr., 3, 85c; doz., \$3.00; 100, \$18.00.

Hood Acres White A new variety of medium height, with very heavy flower spikes. Although an occasional flower is blushed, the general character is pure white.

1-yr., 3, 85c; doz., \$3.00; 100, \$18.00.

Iceberg 4 feet. Stocky flower spikes, pure white, a rare color segregation.

1-yr., 3, 85c; doz., \$3.00; 100, \$18.00.

S. & H. Supreme Hybrids (See page B.) Plants grown from selected English seed, chiefly Blackmore & Langdon's, with a small per cent added from prominent American strains. Mixed.

Wrexham Hollyhock Strain

A highly developed English strain which attains 4 to 6 feet and produces flower heads of abnormal length and thickness; in a vast range of colors and patterns. The most distinguishing feature is the great size of the florets, and their peculiar setting along the spike, so like the Hollyhock. Mixed.

Both kinds above:

1-yr., 3, 70c; doz., \$2.50; 100, \$15.00.

2-yr., 3, 85c; doz., \$3.00; 100, \$18.00.

DWARF LARKSPUR

Chinense. Contrary to character of the foregoing, this type is short and slender in growth, 15 to 18 inches, very desirable for low bedding and borders; good size flowers. Dark blue, and white. Mixed.

3, 70c; doz., \$2.50; 100, \$15.00.

DIANTHUS

"Hardy Pink" and "Sweet William"

Short, dense growth, mostly glaucous, grassy foliage, and fragrant flowers.

Alpinus Allwoodi 6-inch growth, just right for rockery. Shades of rose and pink. July and August. 3, 70c; doz., \$2.50.

Arenarius. 6-inch. A lover of the sun and hot sands. Fringed, fragrant flowers, white with a carmine ring. 3, 70c; doz., \$2.50.



Dianthus Barbatus—Sweet William

Barbatus (Sweet William). 18 inches. Beautifully marked, in broad compact trusses of single flowers like Phlox. **Blood Red, Giant White, Newport Pink, and Scarlet Beauty;** or **Mixed.** 3, 55c; doz., \$2.00.

Deltoides (Maiden Pink). 18 inches. A charming slender-stemmed type, foliage prostrate; mass of small pink flowers, carmine to light coral. May and June. 3, 70c; doz., \$2.50.

Knappi. 16 inches. Glaucous foliage, small flowers in clusters, light yellow. 3, 85c; doz., \$3.00.

Plumarius Semperflorens mixed. Noted for spicy fragrance and varied coloring, with long cutting stems. 3, 55c; doz., \$2.00.

Plumarius fl. pl. (True Scotch Pink). Double and semi-double flowers all summer. 3, 70c; doz., \$2.50.

Plumarius "Rose Queen." Double deep rose. 3, 70c; doz., \$2.50.

HYBRID PINKS

Beatrix 18 inches. Constantly in bloom from June on, flowers are double, very free, soft salmon-pink, good for 2 weeks when cut.

Furst Bismarck In constant bloom all summer. Rose-pink.

Her Majesty Large flowers, spicily fragrant. Pure white.

Highland Queen Lustrous vermilion. May-Nov.

Robert Clove-scented, long-stemmed, early spring to late autumn; white, maroon-red center.

Rose Cushion (New). A low, dense cushion effect, gay with erect rose-colored bloom in May; the foliage attractive all summer and still evergreen in winter.

All: 3, 85c; doz., \$3.00.



Plumy Bleeding Heart

DICENTRA ♦ Bleeding Heart

Eximia Plumy Bleeding Heart). 15 inches. Rose-red heart-shaped flowers. Fine-cut, celery-green foliage makes a lacy mound of striking ornamental value; short-stemmed bloom always in evidence from early spring into fall. Each, 35c; 3, 85c; doz., \$3.00.

Spectabilis 2 ft. One of the most delightful of all the early spring-flowering plants, bearing numerous rosy red heart-shaped flowers. Each, 40c; 3, \$1.00; doz., \$3.50.

DICTAMNUS (Gas Plant). Dark ash-like foliage of pleasing fragrance; of shrubby, bushy growth 2 to 3 feet high, extreme long life. Flowers in upright racemes.

—**Rubra**. Rose-red flowers.

Each, 25c; 3, 70c; doz., \$2.50.

—**Alba**. Very striking; pure white. Scarce.

Each, 40c; 3, \$1.00; doz., \$3.50.

ECHINOPS Ritro (Globe Thistle). 2 to 3 ft. Thistle-like plants with globular heads of deep metallic blue. Each, 25c; 3, 70c; doz., \$2.50.



Foxglove

DIGITALIS (Foxglove)

Impressive, tall spired, heavy foliaged plants of value for background massing; serviceable in semi-shade.

Ambigua. 2 to 3 feet. Flowers yellow, marked with brown.

Giant Shirley Foxgloves. 6 to 7 feet high, with flower heads 3 feet or more long, crowded with big bell-shaped florets. Colors range from white and shell-pink to deepest rose, dotted with crimson and chocolate. Mixed.

Gloxiniaeflora. Thimble-shaped flowers in immense spikes. Colors range through white, rose and purple. Mixed.

All: 3, 70c; doz., \$2.50.

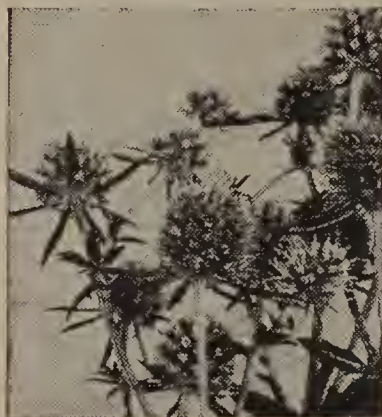
DORONICUM ♦ Excelsum (Leopard's Bane). A superb cut flower for May and June, the perfect rayed Daisy flowers, a brilliant canary-yellow, 3 inches wide. Blooming plants average 2 feet in height and stool heavily.

Each, 40c; 3, \$1.00; doz., \$3.50.

ERIGERON Speciosus. 2 ft. June and July. Very large, terminal, aster-like flowers, of considerable gardening value and for cutting. The slender rays are perfectly aligned, a brilliant blue slightly overcast violet, streaking away from a button center of gold.

—**Grandiflora elatior**. Large flowers, rich purple.

3, 55c; doz., \$2.00.



Eryngium—Sea Holly

amethyst-blue.

35c each; 3, 85c; doz., \$3.00.

EUPATORIUM. Flower heads like the Ageratum. August till frosts.

—**Fraseri**. 3½ ft. White.

—**Coelestinum**. 2 ft. Lavender-blue.

3, 70c; doz., \$2.50.

EUPHORBIA

Corollata (Flowering Spurge). 2 feet.

A branchy, low growing plant with fine stems and foliage, literally covered from June to August with loose umbels of pretty white flowers. Good for cutting in long mist sprays.

3, 70c; doz., \$2.50.

Myrsinites ♦. Small, creeping plants of striking beauty, when protruding from wall pockets; or on the garden level, when the upright growth forms close ranks of 6-inch stems, covered with fleshy, oblong, concave pointed blue leaves in close spirals; the spring flowers yellow in crowded umbels.

3, 85c; doz., \$3.00.

Polychroma ♦. 1 foot. Attractive hemispheres of many stems clothed with dark green, oblong leaves. Yellow flowers May and June, in 5-rayed umbels which snuggle into a whorl of leaves, also yellow tinged.

3, \$1.00; doz., \$3.50.

HARDY FUCHSIA

(Illustrated on front cover)

Magellanica. A splendid new semi-shrub of uncertain height, but sure to produce hundreds of ruby-red, pendent, fuchsia flowers which commence in early summer and cease only with frosts. Good in either light shade or sun. Mulch heavily for winter (or forego) in the colder sections above Philadelphia. 2¼-inch pots.

Each, 40c; 3, \$1.10; doz., \$4.00.



Doronicum Excelsum

HARDY FERNS ♦

Fine subjects to tuck here and there against shady side foundations.

ADIANTUM Pedatum (Hardy Maidenhair).

ASPIDIUM Acrostichoides (Christmas Fern). 15 inches. An "evergreen."

ASPIDIUM Marginale (Evergreen Wood Fern). 18 inches. Fronds light green, 3 to 4 inches wide.

ASPIDIUM Spinulosum ("Shield Fern"). Fine cut.

DICKSONIA Punctilobula. 18 to 24 inches. "Hay scented or Gossamer Fern." Upright; broad, woolly leaves.

ONOCLEA Sensibilis. 1 foot. "Sensitive Fern." Requires moisture.

ONOCLEA Struthiopteris (Ostrich Fern). 3½ feet. Very stately.

Price: 3, 55c; doz., \$2.00.

*One each of the 7 varieties for \$1.00.

FUNKIA (Day Lily)

Thick-leaved substantial plants valued even more for their foliage than for their flowers. They are also adapted to a shady location.

Subcordata Alba (White Day Lily).



Funkia Alba

Undulata Variegata ♦. The leaves are broad and definitely fluted, pale green with a broad white central band and varying streaks; the flower stems just long enough to clear the foliage clumps; small pendent blue florets in loose racemes. 12 to 18 inches. 3, 85c; doz., \$3.00; 100, \$18.00.

Gracefully arching, very broad heart-shaped leaves of light green, with noticeable ribs. Prominent flowers in August; waxy white long tubes with flaring bells, pendent like Lilies, in whorled racemes, sweetly fragrant. Popular for low, narrow foundation planting along the east or north sides. 3, 85c; doz., \$3.00; 100, \$18.00.



GAILLARDIA

Grandiflora (Blanket Flower). 2 feet. Unfailing supply of bloom in rich, tawny shades. Flowers 3 inches in diameter. A hard center of deep maroon is thickly bordered by petals of orange and yellow, ringed by circles of crimson, red and maroon. 3, 70c; doz., \$2.50.

Dazzler. A new form with very large flowers of golden yellow, with a brilliantly contrasting center of rich maroon. 3, 85c; doz., \$3.00.

Goblin. 12 to 16 inches. A gorgeous new rock plant; blanketed from July to October under a rounded canopy of normal flowers, brilliant yellow with a heavy deep red zone. 3, \$1.00; doz., \$3.50.

Portola Hybrids. 2½ to 3 ft. A new type of vigorous growth and flower production. Flowers extra large and perfect, an ideal cutting type; brilliant coppery scarlet rimmed in gold. (Illustrated on color page B.) 3, 85c; doz. \$3.00.

Tangerine. (New.) Showy, compact flowers, a rich tangerine-orange color. 3, 85c; doz., \$3.00.

HARDY GRASSES

EULALIA. Very useful as solitary clumps, or as 4- to 5-ft. backgrounds.
—**gracillima univittata** (Japan Rush). Narrow green leaves.
—**japonica variegata**. Long, narrow leaves, striped white.

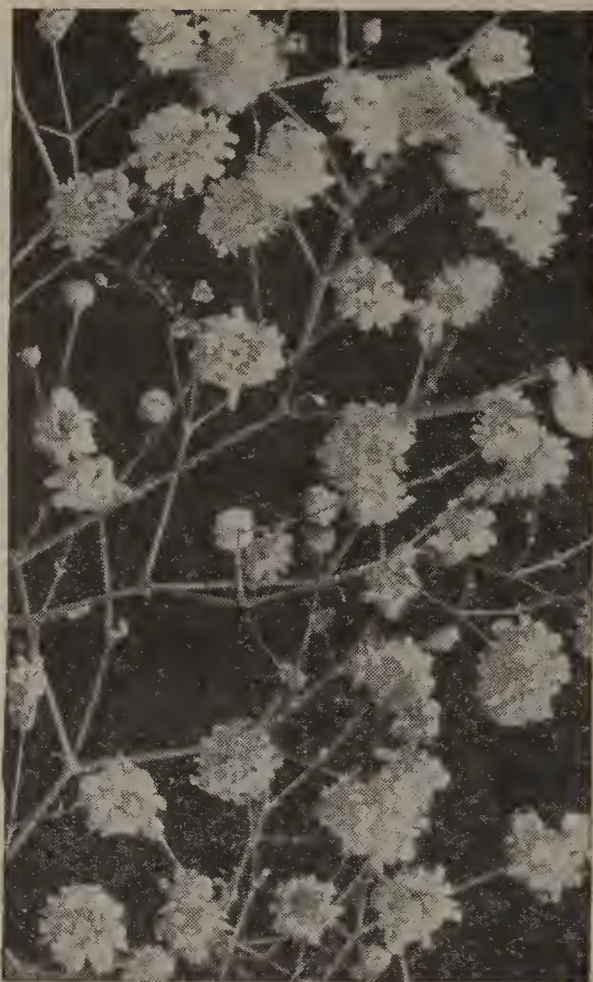
ELYMUS glaucus (Blue Lyme Grass). 2½ to 3 feet, the narrow silvery blue leaves arching to the ground.

ERIANTHUS ravennae (Plume Grass). 8 feet. Resembles the hardy Pampas, but is more refined. The silvery plumes are massive, often 3 feet long. Each, 40c; 3, \$1.00; doz., \$3.50.

FESTUCA glauca (Blue Fescue). 12 inches. Just grass, but delightful as it grows in narrow-leaved dense tufts, a pretty bright blue.

PHALARIS arundinacea var. 2 ft. (Ribbon Grass). Broad leaves striped lengthwise with cream.
Except as noted: 3, 55c; doz., \$2.00.

GALEGA officinalis Nana Rosea fl. pl. (Rosy Goat's Rue). 3 feet. Bushy growth with fern leaves and impressive spikes of double, light rose-pink flowers. 3, 85c; doz., \$3.00.



Gypsophila, "Bristol Fairy"
—The Double Baby's Breath

GAULTHERIA Procumbens (Wintergreen). A glossy evergreen creeper; white flowers and persisting red berries. Be patient with its first slow development and protect with leaves. Fragrant. 3, 70c; doz., \$2.50.

GENTIANA **Andrewsi** (Closed Gentian). 18". Long, bright violet-blue flowers habitually closed in terminal clusters, July-Oct. Prefers rich soil with draining moisture. 3, 85c; doz., \$3.00.

GERANIUM Sanguineum. 2 feet. For naturalistic locations in the shade. Small geranium foliage; flowers single in small clusters, very light purple. 3, 70c; doz., \$2.50.



Geum, Mrs. Bradshaw

GEUM. 1½ feet. Brilliant, beautifully ruffled double flowers resembling Carnations, on long, slender upright stems. June to September.

—**Borisii**. (New). Neat foliage tufts. Much branched; vivid orange-scarlet.

—**Heldreichi** (New). Very large flowers; rich, flashing orange.

Both: 3, 85c; doz., \$3.00.

—**Lady Stratheden**. Golden yellow.

—**Mrs. Bradshaw**. Crimson-scarlet.

Both: 3, 70c; doz., \$2.50.

GYPHOPHILA (Baby's Breath)

Bristol Fairy A valuable cutting subject; with large double florets in full panicles, the blooming season possible of continuing all summer if earlier bloom is removed; pure white.

Each, 40c; 3, \$1.00; doz., \$3.50.

Paniculata (Baby's Breath). A branching fine-stemmed 2- to 3-ft. mound. During July a fleecy white mass largely used for mixing with high-colored flowers. 3, 70c; doz., \$2.50.

—**Pacifica**. 4 feet. Withstands extreme cold, heat and dryness. Follows the type in blooming, with countless misty pink florets. 3, 85c; doz., \$3.00.

Repens. A beautiful trailing plant for the rockery, with clouds of small **White**, or **Pink** flowers. July-Aug. 3, 55c; doz., \$2.00; 100, \$14.00.

HEMEROCALLIS (Day Lily)

Flava (Lemon Lily). 3 feet. June; delightfully fragrant.

Florham. 3½ feet. June and July; golden, tinged a dusky Indian yellow.

Kwanso fl. pl. (Double Orange Lily). Deep copper with reddish spots.

Thunbergi. 4'; July; buttercup-yellow.

All: Each, 30c; 3, 75c; doz., \$2.50.

CHOICE NOVELTIES

Anna Betscher. 2 feet. July, August; golden yellow.

Bay State. 3 feet. July; deep yellow.

Goldeni. 30". July; orange, gold center.

H. D. Wyman 4'. July; deep orange.

Mrs. W. H. Wyman. 3 feet. August; light lemon-yellow.

The Gem. 3 feet. June, July; deep yellow-apricot.

Each, 55c; 3, \$1.50; doz., \$5.00.

Hyperion The newest and probably the best hybrid yet produced! The flowers are a fine citron-yellow produced in great numbers on stout 40-inch stems. A charming cut flower, the buds open well in water and emit a delightful fragrance. Plants are vigorous and successful in any location; dry, wet, sunny or shaded; blooming through July-Aug. Each, \$1.00; 3, \$2.75; doz., \$10.00.



Double
Orange
Lily



Helianthus Riverton Gem

HELENIUM—Riverton Gem. 3-5 ft. Old gold gradually changing in streaks to wallflower-red; the warm, rich shades of autumn. 3, 85c; doz., \$3.00.

HELIANTHUS Multiflorus Plenus (Hardy Sunflower). 4 feet. Double like the decorative dahlias, bright yellow. 3, 85c; doz., \$3.00.

HELIANTHEMUM ♦ **Mutabile** (Fickle Sunrose). Semi-evergreen, spreading, of procumbent shrubby character, about 12 inches high, the young growth stiffly erect. Abundant inch-wide flowers in July. Mixed colors. 3, 70c; doz., \$2.50.

—**Buttercup.** Bright yellow.

—**Fireball.** Orange-flame.

Both: 3, 85c; doz., \$3.00.

HELICHRYSUM Angustifolia. (Hardy Strawflower). Attractive white permanent flowers. 3, 70c; doz., \$2.50.

HELIOPSIS (Orange Sunflower).—**Zinniaeflora.** Like Zinnia flowers. Clear yellow. 3, 55c; doz., \$2.00.

HELLEBORUS Niger (Christmas Rose). 12 inches. Beautiful, waxy, 2-inch flowers during February or March; white, flushed purple. Plant in sheltered, well drained, partially shaded spot. Each, 60c; 3, \$1.50; doz., \$5.00.

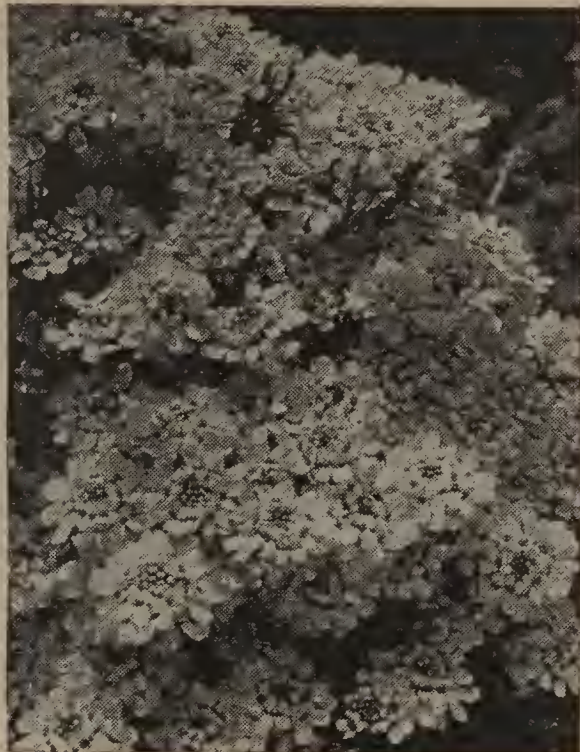
HESPERIS MATRONALIS (Sweet Rocket). 3 to 4 feet; Phlox-like pink flowers in June and July.

—**Alba.** White flowers.

Both: 3, 55c; doz., \$2.00.



Helianthus Multiflorus Plenus



Hardy Candytuft

HEUCHERA ♦ (Coralbells). Dainty, leaves round, scalloped and purple tinged, in low tufts. The beautiful flowers are in terminal panicles on slender upright stems.

—**Brizoides.** 2 feet, nodding stems. May and June; light pink.

—**Pluie de Feu.** Gracefully loose panicles, very free; fiery red.

—**Rosamundi.** 18 inches. An improved type; very free, extra healthy, longest season, very bright, uniform coral-pink.

—**Sanguinea.** 12 to 18 inches, stocky, June to September; coral-red.

All: 3, \$1.00; doz., \$3.50.

HIBISCUS (Mallow). 4 to 6 feet, shrubby bush. Broad, 6-inch fall flowers like single Hollyhocks. Very showy. Red, Pink, White, Crimson Eye, or Mixed.

Each, 35c; 3, 85c; doz., \$3.00.



Hibiscus—Mallow Marvel

HOLLYHOCKS

This stately old plant is truly "King of the Garden." Hollyhocks inject so much of color and life and picturesqueness into tall backgrounds with their gorgeous, densely-set pillars ranging in height from 4 to 7 feet, ablaze throughout the summer.

Double Flowered Large rosettes of paper-like tissue, very compactly layered. Separate colors: Crimson, Maroon, Pink, White or Yellow.

Single Flowered "Allegheny" or Mammoth.

Fringed. Tall; very large fringed flowers. Mixed.

Anemone-Flowered The New English

"Imperator." Magnificent Anemone flowers in many two-color pastel combinations. Mixed.

All: 3, 70c; doz., \$2.50; 100, \$15.00.



S. & H. Double Hollyhocks

HOUSTONIA, Ciliolata. ♦ 3 inches. A chubby little native plant in dense tufts or cushions, bearing hundreds of small white flowers. May, June. Prefers moist, acid soil, with plenty of sunshine. 3, 85c; doz., \$3.00.

IBERIS ♦ (Hardy Candytuft). Dwarf with handsome dark evergreen foliage.

—**Gibraltarica.** Delicate lilac flowers. May and June. 12 inches.

—**Queen of Italy.** (New.) Strong growing; flowers a bright, deep shade of lilac-pink.

—**Sempervirens.** Pure white flowers, fragrant, in early spring; the plant compactly spreading. 12 inches.

All: 3, 70c; doz., \$2.50.

INULA ♦ **Royleana.** 2 feet. Flowers large, daisy-like, petals separated; orange-yellow, with conspicuous black buds. 3, 70c; doz., \$2.50.

IRIS

Dwarf Iris Iris Pumila ♦

Low-growing, quickly spreading; useful as an edging to the taller Germanica class, a low mass bedder for earliest (April-May) bloom, and for distribution in rockeries.

Atroviolacea. Violet-mauve with maroon-red veining.

Excelsa. Pale canary-yellow.

The Bride. Blush-white. Each, 20c; 3, 45c; doz., \$1.60.

THE SET
One Each
(3 roots)

50c

Siberian Iris Iris Sibirica

Compact; with narrow grassy foliage and slender, upright stems; furnishing a prodigious amount of medium sized flowers between the German and Japan sections.

Orientalis. Violet-blue, the bud enclosed in crimson spathe valves. 15c.

Perry's Blue. Tall; pure sky-blue. 15c.

Snow Queen. Ivory-white. 3 ft. 15c.

THE SET
One Each
(3)

40c

GERMAN IRIS. See page 44.

JAPAN IRIS. See page 44.

GERMAN IRIS The French "Fleur-de-Lis"

German Irises are used for garden clumps; for borders in solid rows or evenly spaced groups; in the foreground of shrubbery groups and to some extent in narrow spaces against the foundation, as much for foliage as for bloom.

PRICES, POSTPAID

Each	3	Doz.
15c var. ..	\$0.40	\$1.50
20c var. ..	.55	2.00
35c var. ..	1.00	3.50
50c var. ..	1.40	5.00

Asia Late blooming; fragrance of cinnamon. Standards massive, silvered lavender above a golden base; falls pale reddish purple with lighter clouding. 15c.

Ballerine An attractive, big, full-bodied variety of medium blue effect, quite fragrant. S. light blue-violet with waved margins; F. deep shaded. Tall, stocky. 20c.

***BLUE GOWN.** See bracket at right.

Caprice Flowers large and rounded, claret or rosy lilac darker in the falls; fragrance of grapes. 15c.

Chasseur The latest yellow, and worth waiting for to get that XXX grape fragrance. Long stems, large shapely flowers, a clear straw yellow; the bud uniquely striped brown. 35c.

Coronation A deep, rich buttercup-yellow not inclined to fade. Flowers of good size on widely branching stems. 20c.

***DAUNTLESS.** See bracket at right.

Desert Gold Large flowers, early blooming, of good substance; straw-yellow deepening toward the center. 35c.

Enchantment Deep, incurving, crimped standards of soft lilac flushed fawn; the broad falls violet-red tinged lavender at margins. 35c.

Fascination Intense, silky, orchid-purple against the sun; equally fascinating in its more sober aspect in shadow. 35c.

Frieda Mohr Tall, free, with perfect flowers of great size; a pleasing pink effect. Rosy lilac S.; the F. a deeper lavender-rose; locust fragrance. 20c.

***GALATEA.** See bracket at right; illustrated, front cover.

Gold Imperial Still about the best midseason yellow; uniform lemon-chrome, with bright orange beard. 15c.

Imperator A showy landscape type, purplish red; an improved Seminole. 20c.

Labor Rosy amaranth suffused copper; the falls violaceous purple sheened with electric blue. 20c.

Le Corregge Light bronze suffused rose; the falls velvety wine-red. 20c.

Melchior Massive, flaring, velvety red-purple falls; the incurving standards violaceous bronze. Attractive gold and brown reticulation at center. 20c.

Midgard A charming blend, with ruffled petalage; soft yellow overlaid peach-pink, with silvery opalescent tints; exquisite under night lighting. 35c.

Mme. Cecile Bouscant All-over soft orchid-pink at center. A striking tall landscape type, and dainty vase unit. 35c.

Mrs. Valerie West One of the most popular of all recent introductions. Smoky, incurved standards, the bronze faintly tinged lavender. Falls rich, velvety wine-purple. Noticeable ivory and bronze reticulation at center, with slight golden beard. 35c.

Persia Deep purple overlaid blue-velvet, with clouded margins; the standards billowing upwards like blue-gray wood smoke. 50c.

Pluie d'Or The luscious, unblemished yellow of Allamandas; uniform except for the deeper golden beard. Tallest and showiest of the earlier yellows. 35c.

Primrose A satisfactory late midseason yellow; S. amber; F. brighter barium-yellow. 20c.

Queen Caterina A 1-color iris; azure-lilac, silvery coating. An effect of pale "moonlight." 15c.

Rajput Bright violet self; desirable for massing. Each, 15c; \$10.00 per 100.

Rose Marie Shapely flowers of immense size; the wide, fluted standards a translucent white faintly tinged by alternating rays of gilt and lilac from a canary base. A full golden beard; the broad, pendent falls red-violet with pale mauve margins and reverse. 35c.

Ruy Blas Soft mauve bicolor, the falls deepening into violet, 15c.

Shekinah Tall; large flowered. Straw-yellow deepening to amber in the throat, with a lemon-colored beard. 15c.

Souv. de Mme. Gaudichau They are still trying to beat this magnificent model. Beautiful violet-blue in the overlapping standards; the drooping falls very dark and velvety in midnight purple; extra large and majestic. 20c.



Our Popular Collection of Japanese Iris

Sir Michael Of striking size and bicolor effect. S. clear lavender-blue; F. purple overlaid mahogany; throat brown and white, with red-gold beard. 35c.

Thais Soft, dainty lilac-pink or rosy mauve, without blemish or distraction. 20c.

S&H JAPANESE IRIS IRIS KAEMPFERI

All But One are Large Six-Petaled Flowers

Their flowers are generally rather flat and wide, often measuring 10 to 12 inches across, appearing in great profusion during June and July after the Germans are through. Give good, rich light soil, plenty of water, and frequent cultivation.

Azure A delightful mauve-blue slightly darker towards the center. This is nearest to a real, solid blue. 35c.

Gekka-No-Nami (Waves Under Moonlight). Earliest to bloom, and very free. Glistening white with creamy white stigmas. 35c.

Iso-no-nami (Shallow Waves). A magnificent broad-petaled variety; one of the largest; a nebulated suffusion of rose and cerulean blue over grey, deepening toward the gold flushed center of rosy lilac. 50c.

Koki-no-iro (Purple and Gold). Enormous double flowers often 10 inches across. Color, rich violet-purple with white petaloids tipped violet; a golden throat with bluish white rays. 35c.

Mahogany Large, double flowers, among the latest to bloom. Velvet toned, deep mahogany-red; the erect petaloids prettily crested. 50c.

Moniji-no-taki (Maple Waterfall). Bright rosy crimson, beautifully feathered in white. Petaloid-stigmas white, purple crested. 50c each.

Norma The most nearly solid pink we know. A deep pastel pink faintly tinged lavender, with slight yellow center and its bluish halo. Very large flowers. 50c.

Uchiu (Universe). Largest size, longest stems, longest blooming season. Color cerulean blue with golden center and white halo. White, tipped blue. 35c each.

Zama-no-mori Larger than a majority of varieties, although only three-petaled; one of the daintiest. White, with a heavy azure-blue zone; short white standards margined blue. 35c each.

9 Above "SET"—ONE EACH By Mail, Postpaid — FOR \$2.50



Our Star Spangled Iris Set

***Galatea** 30 inches. (S. & H. Co., 1938.) An ivory statue come to life. We present this altogether delightful new variety with great pleasure. Of extravagant production, a flower spike normally pyramids three perfect flowers in one compact, stately, sculptured pillar. Lovely in immaculate ivory whiteness, its only adornment a filigreed necklace of amber, bronze and gold; with a tantalizing fragrance not too sweet. \$2.50 each; 3 for \$7.00.

***Dauntless** 40 in. The finest and purest red-toned Iris. Rated as a deep, rose-red self, with slight bronze shading, the falls appear richly darker because of their velvety texture. 60c each; 3 for \$1.70; doz. \$6.00.

***Blue Gown** 36 in. A gorgeous medium blue of large size and full-bodied character. High, fluted standards of silvered lavender-blue; falls deep violet-blue, with a fretted cream and brown base, and orange beard tipped blue. 75c each; 3 for \$2.00; \$7.00 per doz.

Red, White, and Blue

The Set

One of Each **\$3.50** Postpaid



Maltese Cross



Forget-Me-Not



Mertensia Virginia



Nepeta Mussini

LUPINUS Polyphyllus (Lupine). Conspicuous, lovely, pea-shaped flowers, on spikes a foot long. In separate colors—**Blue, Rose or White.**
—**Sweet-scented Hybrids.** A delightful innovation. **Mixed.**
All: 3, 85c; doz., \$3.00.

LATHYRUS Latifolius (Hardy Perennial Pea). A rampant climbing, clinging perennial, with numerous dense clusters of scentless pea flowers. **Pink or White.** 3, 70c; doz., \$2.50.

LAVANDULA Vera (Sweet Lavender). 18 inches. July and August. Sweetly fragrant spikes of little blue flowers. 3, 70c; doz., \$2.50.

—**Munstead Strain.** 1 foot. May-June. Clear lavender. 3, 70c; doz., \$2.50.

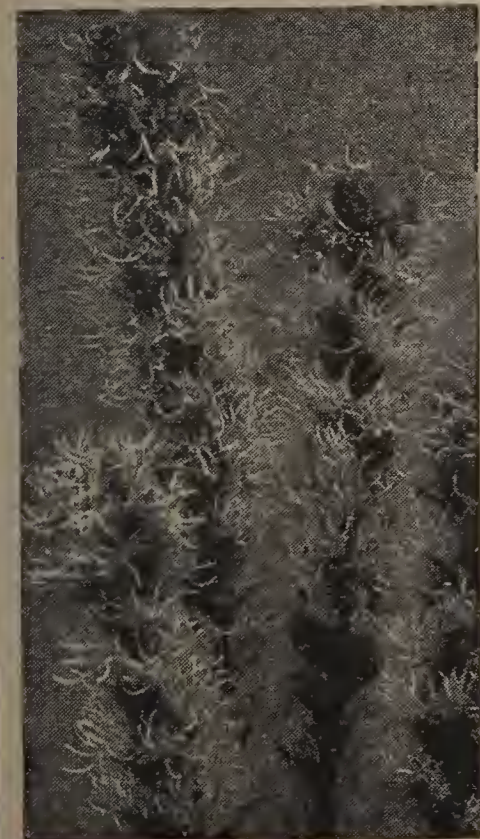
LIATRIS. Unique, showy, punctuation plants with slender erect flower stems foliated like the lilies, and purple flowers in dense spikes of various lengths.

—**Pycnostachya** (Blazing Star). 4 to 5 feet. Feathery spikes of rosy purple, about 18 inches long. July-August.

—**Spicata.** 2 to 3 feet. Shorter, stockier stems, spikes 12 to 15 inches, blue-purple; best adapted to regular bedding. July to September.

—**Scariosa.** 3 to 4 feet. Deepest purple in color, with long but interrupted racemes. Best for late cut flowers. August-September.

All: 3, 70c; doz., \$2.50.



Liatris Scariosa

LILY - OF - THE - VALLEY and **LILIES.** See page 56 and page 58.

LINUM Perenne (Blue Flax). The plant bushes up evenly about 24 to 30 inches with feathery, glaucous foliage; the surface spangled with round, flat, solitary, azure-blue flowers from May to August. A fresh crop with each morning's dew. 3, 55c; doz., \$2.00.

LOBELIA Cardinalis (Cardinal Flower). Intense cardinal-red flowers, arranged in stocky spikes 15 to 18 inches long. keep the plant aflame throughout August and September.

—**Syphilitica.** Early; dull blue. 3, 70c; doz., \$2.50.

LYCHNIS. Blazy summer flowers.

—**Chalcedonica** (Maltese Cross). 30 inches. Heart-lobed stars of bright vermillion, in flat panicles. 3, 55c; doz., \$2.00.

—**Haageana.** 1 ft. Brilliant orange-scarlet, individual flowers 1½ to 2 inches wide. 3, 70c; doz., \$2.50.

—**Viscaria fl. pl.** 2 to 2½ ft. Evergreen foliage; in June and July ablaze with close spikes of crimson double flowers. 3, 85c; doz., \$3.00.

MATRICARIA (Feverfew). Old garden favorites with deep-cut, pungent leaves and all-summer cut bloom.

—**Eximia fl. pl.** 2 feet. Clustered globes of pure white.

—**Golden Ball.** 10 inches. A dwarf form for edging; chrome-yellow.

Both: 3, 70c; doz., \$2.50.

MAZUS Reptans A close-matting ground cover and rock plant; covered in early spring with short racemes of lilac-blue, the lower petals tipped white, yellow and purple. 3, 70c; doz., \$2.50.

MERTENSIA Virginia (Bluebells). 18 inches. Pretty tubular flowers in drooping racemes during May and June, at first a warm blue gradually discoloring to pink. 3, 55c; doz., \$2.00; 100, \$12.00.

MITCHELLA Repens (Partridgeberry). Creeping evergreen plants useful as matting and under trees. The small white flowers are pretty, but its scarlet fruits nestling among the shiny evergreen leaves are a winter delight. 3, 85c; doz., \$3.00; 100, \$18.00.



Sweet-Scented Lupine

MONARDA, Cambridge Scarlet. ("Bergamot"). A 2-ft. bushy coarse-leaved plant, deliciously fragrant; covered with round, full heads of red flowers with a ragged petalage. Attracts humming birds and bees. 3, 70c; doz., \$2.50.

MYOSOTIS Palustris. The true azure-blue "Forget-Me-Not," blooming profusely during early summer. 3, 70c; doz., \$2.50.

NEPETA Mussini (Caucasian Catnip). 1 to 1½ feet. Beautiful lavender flowers produced in masses. Can be trained and sheared as a dwarf edging. 3, 55c; doz., \$2.00; 100, \$12.00.

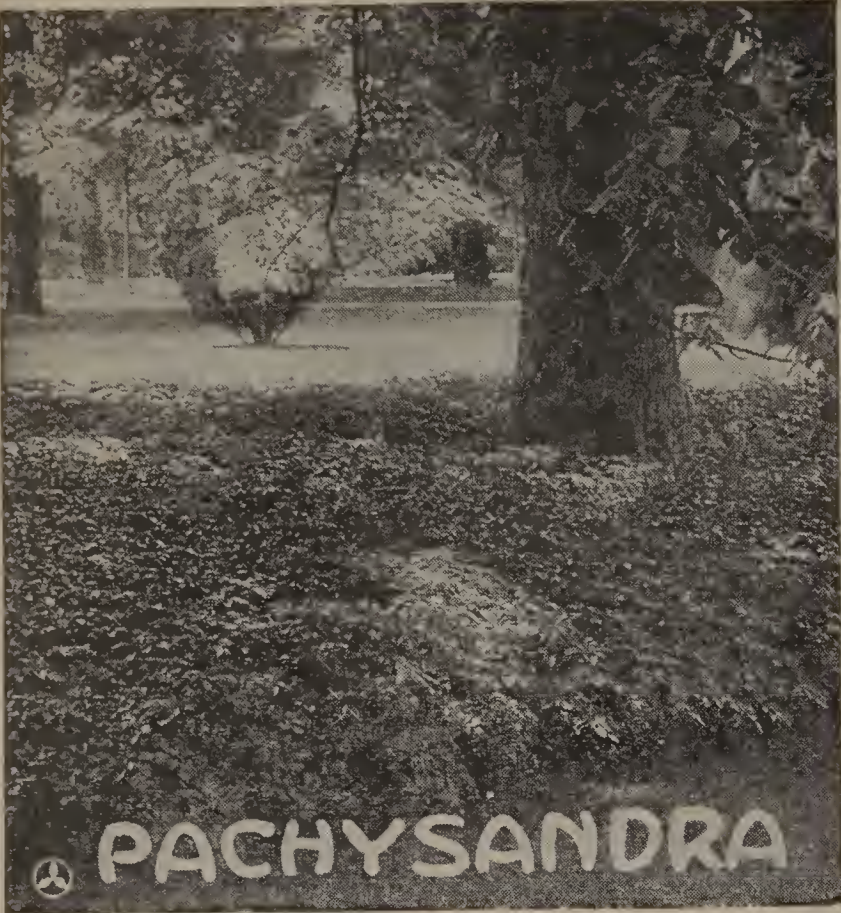
—**Cataria.** 20 inches. The true sweet-scented catnip. Plant some for your "kitty." 3, 55c; doz., \$2.00.

OENOTHERA Missouriensis (Ozark Sundrops). Solitary, single, golden flowers 5 inches across, buds copper-red; all summer; the plant itself prostrate, with ascending branches. 3, 70c; doz., \$2.50.

—**Youngi** (Evening Primrose). Bright lemon-yellow, 1- and 2-inch flowers in numerous small clusters; plant stocky and upright, with shiny foliage, 18 inches. 3, 55c; doz., \$2.00.



Ozark Sundrops



PACHYSANDRA ♦ **Terminalis.** One of the best ground covering plants, particularly valuable in shade, averaging 6 to 8 inches in height and branching freely into a dense mat. Its shapely indented foliage is practically evergreen; thick, rubbery, lustrous. Set 4 inches apart.

	Postpaid		Express	
	3	Doz.	100	1000
2½-inch pots	\$0.30	\$1.00	\$ 7.50	
Field-grown .....	.40	1.20	8.00	70.00

PACHISTIMA ♦ **Canbyi.** Low, spreading, close rooting evergreen shrubs, useful among rocks or to edge a planting of evergreen trees. Narrow oblong leaves evenly distributed on 12-inch upright stems, the new growth light green but quite bronzy by fall. Reddish purple flowers, April and May. 50c each; 3, \$1.40; doz., \$5.00.

POPPY {Papaver}

The massive flowers of the Oriental Poppy and its splendid hybrids, are blotches of vivid coloring against the prevailing greens of early spring. After their passing, the comparatively tiny Iceland Poppies carry on, brilliant but more modest and dainty. All need winter protection. **Strong field-grown roots.**



PENTSTEMON,
Coral Gem. 3 feet. Small brilliant coral-red bells in uncrowded distribution along slender, nodding stems. They do not take up much room, but are showy, sparkling among other flower heads. July and August. 3, 70c; doz., \$2.50.

PHYSALIS Francheti
(Chinese Lantern Plant). Grown for the large bladder-like, orange-red fruits in autumn. May be dried for winter vases. 3, 55c; doz., \$2.00; 100, \$12.00.

PHYSOSTEGIA (False Dragonhead). 2 to 3 feet. July. Broad, dense conspicuous spikes of tubular flowers.

—**Speciosa Alba.** Pure white. 3, 55c; doz., \$2.00.

—**Virginica, Vivid.** Extra broad florets, deep purplish rose. Blooms two weeks later than the white, and lasts longer. 3, 70c; doz., \$2.50.

PLATYCODON Grandiflorum (Balloon Flower). 2 to 3 feet. Blooms constantly from July until late September; flowers large, bell-shaped, in loose racemes. **Blue or White.** 3, 55c; doz., \$2.00.



—**Mariesi.** Dwarf, stocky; long season; deep blue. 3, 70c; doz., \$2.50.

PLUMBAGO Larpentae
(Leadwort). An attractive 12-inch edging plant, quickly spreading into a compact mat. Tiny leaves of apple green, spiky red buds, and Phlox-like cobalt-blue flowers late in summer. 3, 70c; doz., \$2.50.

POLEMONIUM Coeruleum
(Jacob's Ladder). 18 inches. Erect ladderlike leafy stems; loose terminal panicles of light blue. June-July. 3, 70c; doz., \$2.50.

ALPINUM ♦ 8 inches. Glaucous foliage, small, dainty flowers all summer in various uncertain colors, often fringed. 3, 85c; doz., \$3.00.

NUDICAULE ♦ "Iceland Poppies" bloom with extravagant freedom during early summer; 2-inch saucer-shaped flowers on slender stems, making delightful bouquets, as well as a vivid garden show. Separate colors—**White or Yellow;** or **Mixed.** 3, 70c; doz., \$2.50; 100, \$18.00.

—**Empress.** Almost double; salmon-rose and creamy pink.

—**Imperator.** Deep tangerine-orange; often semi-double.

—**Sanford's Giants.** An extreme strain for size, and wide range of delicate and vivid colors. **Mixed.** 3 above: 3, 85c; doz., \$3.00.

NEW ORIENTAL HYBRIDS
Sass Pink Very large, lovely flowers; delicate flesh-pink. \$1.00 each; 3, \$2.75.

Trilby 26-inch growth; impressive flowers lustrous dark red. Each, \$1.00; 3, \$2.75.

STANDARD HYBRIDS
35c EACH: 3, \$1.00; doz., \$3.50. (Except as noted.)

Beauty of Livermore Deep ox-blood-red with black blotch.

Brightness* Orange-scarlet toned with gold; conspicuous.

Fairy (New). Small plant and dainty flowers, delicate clear pink.

Cerise Beauty Many medium-sized flowers of rose-doree or light cerise. Each, 50c; 3, \$1.40; doz., \$5.00.

Jeannie Mawson* Geranium-pink; good sized flowers; erect.

Joyce Very tall, straight stems; medium-size cherry-red flowers. Each, 50c; 3, \$1.40; doz., \$5.00.

Lula A. Neeley* Long, strong stems; glorious large flowers of brilliant unfading oxblood-red. Each, 50c; 3, \$1.40; doz., \$5.00.

Mrs. Perry* Apricot-pink, with faint lilac suffusion.

Olympia Most profuse bloomer of any. Fully double. Brilliant scarlet-flame, with salmon.

Perry's White* Very large and shapely, pure white. Each, 50c; 3, \$1.40; doz., \$5.00.

Princess Ena Small tulip-shaped flowers, bright coral-pink.

Royal Scarlet Richest scarlet; the medium-sized flowers in great profusion. Very showy. Each, 50c; 3, \$1.40.

Wurtembergia (New.) Very popular because of its lovely shape, its size and substance; the color a glowing rose-red.

5 Starred (*) Kinds,
One Each, **\$1.85**
For

PEONIES

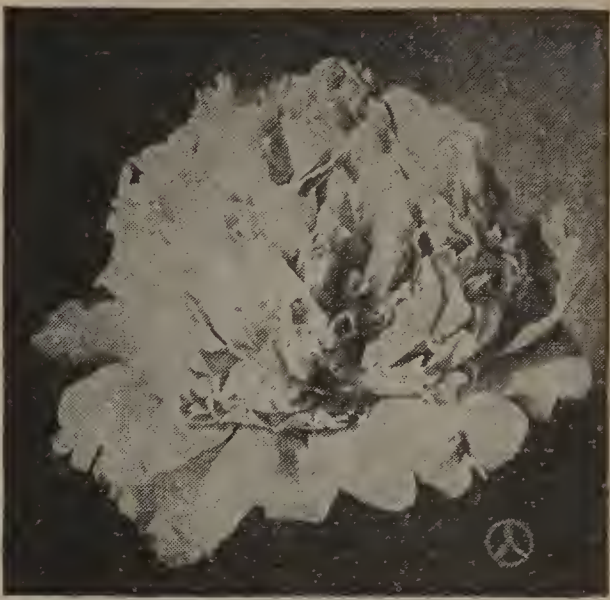
Spring planting of peonies is practical if done early, before the new shoots become too long. March or early April.

PRICES OF PEONIES			
Each	(Postpaid)	3	Doz.
\$0.35	varieties	.....\$0.95	\$3.50
.50	varieties	..... 1.40	5.00
.75	varieties	..... 2.00	7.50
1.00	varieties	..... 2.75	10.00
1.25	varieties	..... 3.50	12.50
1.50	varieties	..... 4.25	15.00
2.00	varieties	..... 5.50	20.00

Standard 3- to 5-eye divisions



Mme. Emile Galle



Mons. Jules Elie

DOUBLE PEONIES

- Albatre** 8.7. Milk-white shaded ivory, the interior petals slightly tinged with lilac, which condenses to a carmine thread at the edges; midseason. 35c.
- Albert Crousse** 8.6. All-over pure shell-pink, edged creamy white; large, full and high built; late. 50c.
- Alsace-Lorraine** Rather wide flowers, creamy white with a faint glow of amber and gold inside. Very free bloomer. 75c.
- Baroness Schroeder** 9.0. Extra good cut-flower sort, of large, full rose type. Opens flesh-white but bleaches to pure white. 50c.
- Claire Dubois** 8.7. Clear satiny pink with glossy reflex. Large, globular, late midseason. 35c.
- Duchesse de Nemours** 8.1. Large and full; shapeliest, best commercial white, uniquely tinged with sulphur. 35c.
- Eduis Superba** 7.6. Very large, round and fluffy flower, bright rose-pink, with silvery reflex and crinkled petals; a charming mottled appearance. One of the earliest. 35c.
- Enchanteresse** 8.9. Large, globular flower on tall, stiff stems; creamy white. Late. 75c.
- Felix Crousse** 8.4. Midseason. Large, round heads perfectly double; crimson-cardinal. 50c.
- Festiva Maxima** 9.3. High built flowers borne on long stiff stems; the earliest; purest white, inner petals slightly tipped carmine; an age-old favorite. 35c.
- Georgiana Shaylor** 8.9. A popular, large, globular semi-rose type; tender rose-pink, the guards and center slightly splashed crimson. 35c.
- Germaine Bigot** 8.5. Pale rose, white and ivory with shell-pink suffusion, and peeping golden stamens. 35c.
- Karl Rosenfield** 8.8. Pure, rich, intense crimson. Of half-rose type, it makes and remains a splendid full, rounded substantial flower. 50c.
- Lady Alexandra Duff** 9.1. Immense full double flowers; outer petals tender rose, diminishing to blush-white at center. High perfume. 75c.
- La France** 9.0. Immense, globular flowers on strong stems; soft apple-blossom-pink; very fragrant. \$1.00.
- Le Cygne** Long considered the most perfect white; large globular, compact, with broad, incurving, imbricated petals; sweetly fragrant. \$2.00.
- Longfellow** 9.0. Bright crimson-red which does not fade. A very high class early midseason variety. \$1.00.

- Marguerite Gerard** 8.4. Magnificent, broad, thick heads of hydrangea-pink, marbled on creamy white and further enriched by collars of golden anthers. 35c.
- Marie Jacquin** ("The Water Lily Peony"). Beautiful semi-double flowers; with waxy white cups and crowded center of golden stamens. 50c.
- Milton Hill** Late, rose type, large size. Delicate flesh-pink occasionally flecked carmine, with peach-pink shadows at base. \$1.00.
- Mme. de Verneville** 7.9. Medium-sized, globular flower, petals crinkly and semi-transparent; creamy white. 35c.
- Mme. Duce** 7.9. One of the choicest varieties for cutting, both as to form and color. Colored evenly a warm, true pink; holding its form. 35c.
- Mme. Emile Galle** 8.5. Late. Shell-shaped petals of blush, waxy white at base; center a warm shell-pink. 35c.
- Mme. Jules Dessert** 9.4. Magnificent flowers of large size, with broad petals of translucent texture. Exquisite when opened in water; creamy white lit with buff and salmon. Midseason. 75c.
- Mons. Jules Elie** 9.3. The peerless pure pink, with a high pyramidal body. 50c.
- Mons. Martin Cahuzac** 8.8. Broad-petaled and full, the darkest of all good reds; deep purple-garnet, with varnished black reflex. \$1.00.
- Octavie Demay** 8.5. Very large flat crown. Guards and center pale hydrangea-pink, collar almost white. 35c.
- Philippe Rivoire** One of the choicest reds, very dark, velvety crimson; in perfectly formed blooms, with sweet fragrance. \$2.00.
- Reine Hortense** 8.7. A prize-winning cut flower; of perfect, deep, compact form. Color a uniform, warm pink, flecked carmine. 75c.
- Sara Bernhardt** 9.0. A superb, compact, semi-rose type. Uniform mauve-rose or apple-blossom-pink, silver tipped, fragrant. 75c.
- Solange** (Lemoine). Rated 9.7. Unusually large, full, compact, globular crown type, with round, amber-white buds; late. Very delicate lilac-white tinged progressively with amber to salmon at the heart. \$1.25.
- Tourangelle** 9.4. Exquisite, late, large flat rose type; very fragrant. Pearl-white tinged with mauve, peach-pink at base. \$1.00.



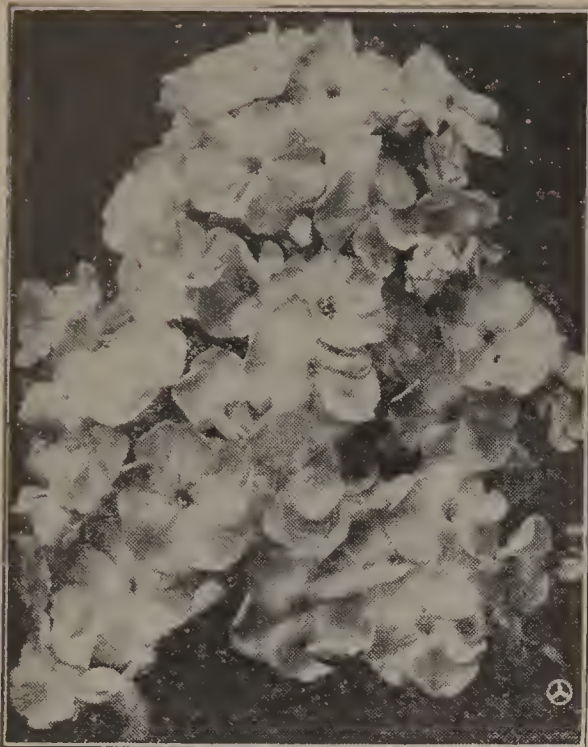
Sara Bernhardt



Japan—Rashooman (See page 48)



Japan—Shiro-Sangai



Phlox, Lillian



Phlox, Bridesmaid



Phlox, Widar

Japanese Peonies

(See illustration of type at bottom of page 47.)

17—Rashooman ("A Devil Castle.") Late; very tall, free, and emphatically contrastive. The Chrysanthemum-like center of solferino, thickly studded and lined old gold, makes a lively offset to the 2-rowed incurving guards of intense, unblemished crimson. \$2.50.

20—Fuji-no-mine ("Top of the Fuji Mountain.") White, with rich cream center. 50c.

64—Shiro-sangai By far the choicest of the whites. Its lily cup guards are milk-white; the extensive central tuft of petaloids buff, noticeably crested with gold. Eight-inch flowers are normal. \$2.00.

88—Oki-no-nami ("Waves in the Far-Off Sea.") Tall, free flowering and showy. Pale hydrangea-pink rippled on white; with full, fine cut center of peach-pink and cream. 75c.

Mikado Similar to No. 17, the cup a deeper red and cushion a yellow-gold. \$1.00.



Phlox, Nordlicht

HARDY PHLOX

Thrifty
Roots

Augusta Plant Patent No. 252. A superb new cherry-red. Vividly prominent in a phlox field. No other shade of red is so sparkling, no variety holds its color better. Each, 50c; 3, \$1.50; doz., \$4.50.

Columbia Plant Patent No. 118. Choice new cameo-pink with an exquisite light blue eye. Cut blooms last over a week in water. Each, 40c; 3, \$1.10; doz., \$3.30.

E. I. Farrington Both bright and soft pink over salmon, with violet eye, very pleasing. Good for cutting. Each, 35c; 3, 95c; doz., \$3.50.

Lillian A beautiful new light salmon-pink of the Elizabeth Campbell type. Very long blooming season. Each, 35c; 3, 95c; doz., \$3.50.

25c 3 for 70c;
doz. for \$2.50,
postpaid.

Athis. Tall; salmon-pink, violet eye.

B. Comte. Brilliant wine color.

Bridesmaid. Tapering trusses; pure white with carmine eye.

Eclairer. Very striking color and pattern; red-purple with very light aureole.

Fiancee. Pure, waxy white.

Gloire du Maroc. Purplish blue, large crimson eye. At first and in dull weather, bright purple.

H. B. May Very large; silvery bluish-pink, with heavy center of soft carmine-pink. Late.

Marechal French. Deep scarlet.

Milly Van Hoboken. Choice; shell-pink, silvered reflex, red eye.

Mrs. Wm. Jenkins. Pure white.

Nicolas Flammel. Bright carmine-lake; a recent importation.

Pastel. Dainty; lilac-blue, with pale central starlike pattern.

Rheinlander. Mottled salmon-pink, with claret-red eye.

Ryndstrom. A lively Neyron shade of rose-pink, shaded solid pink.

Von Hochberg. Liquid amaranth-red.

30c 3 for 85c;
doz. for \$3.00,
postpaid.

Africa Brilliant carmine-red, with blood-red eye; shapely heads.
Border Queen Dwarf; most suitable for edging. Heavy florets and truss; deep melon rose-pink.

Ethel Pritchard. Beautiful rose-mauve, or the best solid lavender.

Enchantress. Soft salmon-pink with dark red eye.

Feuerbrand. Brilliant red variably flamed with orange or carmine.

Miss Lingard. Earliest; longest spikes. Waxy white, lavender eye.

Morgenrood A new Holland introduction. The ruddy rose tints of sunrise, deep at center.

Nordlicht Extremely large, flat florets; warm lilac-blush, with heavy, violet-red eye.

Paladin. Warm salmon-pink, large cherry-red eye, quite striking.

Pink Lingard. Bright lilac-pink form of the white Lingard.

Von Lassburg Waxy white; florets broad in compact trusses.

Widar The best two-color variety. Light reddish violet, with a striking white sunburst at center.

40c 3 for \$1.10;
doz. for \$4.00,
postpaid.

Emain Macha Brilliant cardinal-red; shapely truss.

Leo Schlageter A new red; rich carmine-scarlet.

Mrs. Van Beuningen. Warm salmon-red, with crimson eye, very showy.

P. D. Williams Giant soft rose-pink with rose-red reverse. Immense pyramidal trusses, extra long season. Darker eye.

PHLOX SUBULATA

Ground covering, creeping Phlox, ("Moss Pinks"), very showy in spring.

Alba. White. 25c.

Atropurpurea. Purple. 25c.

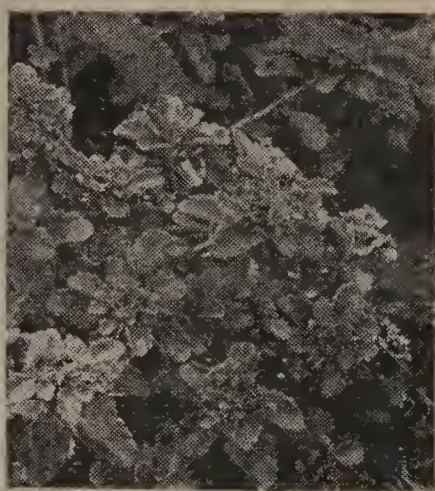
Blue Hill. (New). A true dark blue; repeats in fall. 30c.

Rosea. Bright rose-pink. 25c.

Vivid. Brightest pink with fiery eye. 30c.



Sedum Album



Sedum Kamtschaticum



Sedum Spurium Coccineum



Sedum Spectabile

PRIMROSE ♦ [Primula]

Denticulata. Half-inch lilac flowers in dense, globular heads, on 10-inch stems.

—**Cashmeriana.** Similar to above with bright purplish blue flowers.

Veris (Cowslip). 4 to 8 inches. Scented flower umbels mainly yellow, but varying in shades, with darker center.

Above: 3, 70c; doz., \$2.50.

Polyantha, Giant Red and Giant Yellow. 12 inches, heavily foliaged; with extra large single flowers. 3, 85c; doz., \$3.00.

PYRETHRUM Roseum Hybridum (Painted Daisy). 2½ feet. A colorful garden show from June on throughout the summer, and also a charming cut flower. Construction varies from a full-petaled anemone shape to larger size in plain single. Mixed.

—**Single Pink.** A selected color from a strain likely to come somewhat double.

—**Single White.** Belongs to same type as above.

—**Uliginosum.** 3 feet. Flat flowers with dense, sharp needles; glistening white.

All: 3, 70c; doz., \$2.50.

RANUNCULUS ♦ Repens fl. pl. (Double Buttercup). A quickly spreading frequent rooting ground cover. Masses of yellow button flowers during May and June. The foliage is small, refined, densely set, thick and rubbery, lustrous, dark green. 3, 70c; doz., \$2.50.

RUDBECKIA.

—**Golden Glow.** 5 to 7 feet; early in summer until frost. Double dahlia-like, golden yellow flowers.

—**Newmanni** ("Black-Eyed Susan"). 2 feet. Broad single flowers of orange-yellow with blue-brown cone.

—**Purpurea** (Purple Coneflower). 2 to 3 feet. Large, drooping petals colored reddish purple, with a high cone-shaped center of brown, thickly set with golden tips.

All: 3, 70c; doz., \$2.50.



Primrose—Giant Polyantha

SALVIA Azurea Grandiflora.

The "Rocky Mt. Sage." 3 to 4 feet. Swaying flower wands clothed full length with sky-blue flowers. Aug.-Sept.

—**Pitcheri.** Denser than the type, later, deep gentian-blue.

—**Nutans.** Heavy stools of broad, toothed, pubescent leaves; long, nodding stems with 18-inch terminal racemes of deep violet bloom. May-June.

All: 3, 70c; doz., \$2.50.

SAPONARIA ♦ Ocymoides

(Soapwort). A branchy, trailing rock-plant densely clothed with small round leaves; from May to July brightly spangled with small pink flower umbels. 3, 70c; doz., \$2.50.

SAXIFRAGA ♦ (Saxifrage).

2 feet. Large, fleshy, shiny leaves continuously ornamental, in some cases persisting into winter. Give plenty of water and partial sun.

—**Cordifolia.** Very large heart-shaped leaves; flowers clear rose in dense cymes. May.

—**Lingulata Leichtlini.** Nodding rose-pink racemes. April-June; showy crimson leaves. Each, 40c; 3, \$1.00; doz., \$3.50.



Scabiosa Caucasica or "Mourning Bride"

SCABIOSA Caucasica (Blue Bonnet).

Very showy, freely produced cut flowers, on long stems. June to September. Blue or White. 3, 85c; doz., \$3.00.

—**Japonica.** 2 ft. Lavender-blue flowers from July to September. This is actually a biennial, but well worth while. 3, 70c; doz., \$2.50.

SEDUM ♦ (Stonecrop)

The backbone of rock gardening; low, close-jointed, densely spreading, good in either shade or sun. The shorter kinds make charming fillers between broken flags, or coverage for rocks of all types.



Sedum Sieboldi—The "Autumn Daphne"

Acre (Goldmoss). 2 to 3 inches. Minute foliage, very moss-like; the flowers an all-covering golden yellow sheet. May to July. For carpet bedding and filling between rocks and flagstones.

Album. 2 to 3 inches. A miniature forest of upright stems clothed with waxy, tubular, green leaves; tiny white flowers. May to July.

Forsteriana Minus. 3 inches. Minute, rounded, blue-grey cones, very distinct; deliberately progressing into a dense mat; golden spring flowers on short spikes.

Glaucum. 1 to 3 inches. Similar to Lydium, except its color is blue-gray; flowers blush-white.

Sarmentosum. Dwarf, rapid grower; one of the best for filling seams between rocks in wall-gardens. Bright yellow carpeting bloom. June-July.

Sexangulare. 4 inches. Creeping, densely matting in spiral tufts, dark green; yellow June flowers.

Spurium Coccineum. 6 to 8 in. Thrifty, loose growth with kite-shaped leaves, very showy. July-August, the matted growth is brilliant with fringed, upright panicles of crimson bloom.

All foregoing: 3, 70c; doz., \$2.50; 100, \$15.00.

Kamtschaticum. 8 inches. Robust and vigorous, prostrate, quickly spreading. The wide flat leaves are scalloped, arranged in partial rosettes, fresh green turning yellow in autumn. The ¼-inch florets are perfect stars of orange-yellow drying to red, in low-set clusters. This is particularly effective in wall pockets.

Sieboldi. 8 to 10 inches. Reddish stems with alternating tiers of opposite ¾-inch leaves—round, thick, rubbery, blue-green with red rim. The bright pink flowers, remindful of Daphne, are charming. August-September.

Spectabile. 15 to 18 inches. An excellent border variety with big, saucer-like rubbery sage-green leaves in diminishing tiers, covered in September with massive flat cymes of lavender flowers.

—**Brilliant.** Deep crimson.

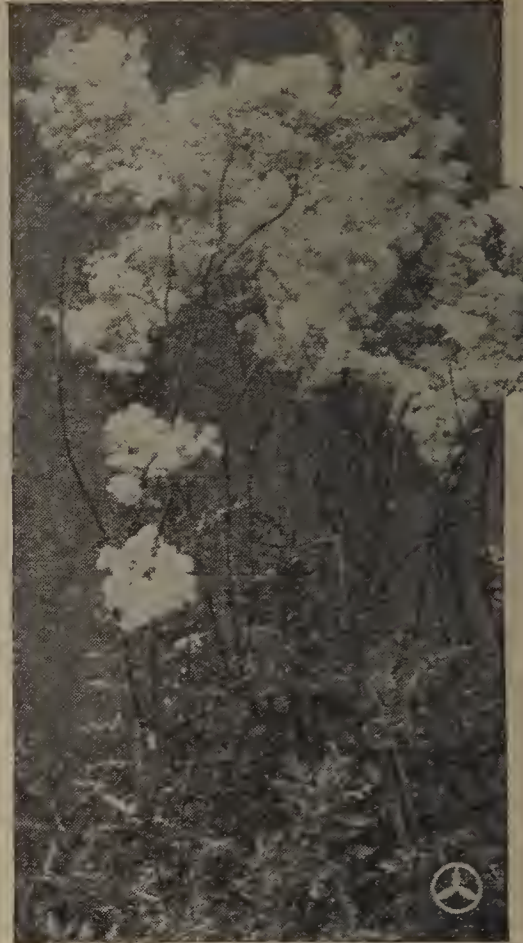
—**Variegatum.** Foliage strikingly variegated creamy white; flower cymes bright rose-pink. Five above: 3, 85c; doz., \$3.00; 100, \$20.00.



Thalictrum Aquilegifolium



Tritoma, Towers of Gold



Spirea Filipendula Fl. Pl.

SEMPERVIVUM ♦ **Tectorum** (House Leek) (Hen-and-Chickens). A most interesting group of small succulents; ideally fitted for use in the crevices of wall and rock garden. The leaves are thick and rubbery, arranged in usually tight rosettes; expansion being by a surrounding colony of exact replicas even in their tiniest stage. Each 25c; 3, 55c; doz., \$2.00.

SIDALCEA ♦ **Rosy Gem** (Greek Mallow). 2- to 3-ft. branching plants with foliage like Larkspur; 2-inch mallow-like flowers. June-July. Bright rose-pink. 3, 70c; doz., \$2.50.

SILENE ♦ **Schafta** (Autumn Catchfly). 4 to 6 inches. A low border or rock plant, with masses of bright pink flowers from July to October. A good successor for Maiden Pink. 3, 70c; doz., \$2.50.

SOLOMON'S SEAL (Polygonatum). 2 to 3 feet. Tear-like, primrose-white flowers in May, pendent along arching wands. Partial shade in naturalistic setting is best. 3, 70c; doz., \$2.50.

SPIREA ♦ **Filipendula Fl. Pl.** (Dropwort). 3 ft. Numerous white double flowers in loose terminal panicles on long stems. June-July. Dark, fernlike foliage in rounded clumps.

—**Ulmaria**. 6 ft. Multiple leaflets gray-green beneath; imposing flowers white. Both: 3, 85c; doz., \$3.00.

STACHYS **Lanata** (Woundwort). 1 ft. A splendid edging plant for situations requiring strong foliage contrasts; the dense leafage of this variety being a sheeny silver white, with the woolly surface and substance of felt. Small spikes of light purple flowers appear in July and August. 3, 70c; doz., \$2.50; 100, \$15.00.

STATICE **Latifolia** (Sea Lavender). 15 to 18 inches. Leathery foliage, minute blue flowers, similar to Forget-me-not, in 18-inch heads. Last for months if dried. Each, 35c; 3, 85c; doz., \$3.00.

STOKESIA **cyanea** (Stokes' Aster). A 2-ft. bushy plant, with attractive lavender bloom from July to October. Flowers often measure 4 to 5 inches in diameter, of perfect, compact form.

—**Alba**. Beautiful white flowers. Both: 3, 85c; doz., \$3.00.

TEUCRIUM **Chamaedrys**. Used as an evergreen edging; densely ascending stems; small flower whorls in loose spikes, bright rose with white and red spots. The valuable foliage is dense, small, round, dark, glossy—closely resembling dwarf Boxwood. Can be sheared at will. 3, 85c; doz., \$3.00; 100, \$18.00.

THALICTRUM (Meadow Rue). Spreading heads of tiny flowers, at the terminal of several upper branches.

—**Aquilegifolium**. ♦ 1 to 3 feet. Scalloped Columbine foliage, white flower balls. May to July.

—**Dipterocarpum**. 4 feet. Fine cut foliage, lilac-mauve flower sprays. August and September.

—**Album**. An equally effective white-flowered form.

—**Glaucum**. 3 to 4 feet. Finely cut blue-gray leaves; fragrant heads of Chinese yellow; July.

All: 3, 85c; doz., \$3.00.

THYME ♦. Very useful in rockeries for covering dry banks, and provide a rich carpet for blocks of spring-flowering bulbs; their early bloom all-covering.

—**Citriodorus** (Creeping Thyme). Lemon-scented; golden yellow.

—**Lanuginosus** (Woolly Thyme). Silvery foliage, reddish pink flowers.

—**Serpyllum Album**. Dense mats of dark green foliage, with clouds of tiny white flowers.

—**Coccineum**. Crimson.

All: 3, 85c; doz., \$3.00.

TIARELLA ♦ **Cordifolia** (Foam Flower). 12 inches. Small, star-shaped creamy white flowers in May. The foliage is fine and attractive. Prefers shade. 3, 70c; doz., \$2.50.

TRADESCANTIA **Virginica** (Spiderwort). 2 to 2½ feet. Broad, grasslike foliage; clustered blossoms all summer. An excellent filler for moist bottomlands; among the semi-shading trees at base.

Blue, Rose or White. 3, 55c; doz., \$2.00.

TRITOMA

Pfitzeri S & H Superb Strain (The Red Hot Poker).

Semi-tropical and showiest of all garden plants in bloom. Rushlike foliage with thick flower stalks a yard long, a single fiery cone at top. Brilliant scarlet, lower petals rimmed with orange. Blooms July to October. A magnificent cut-flower. Use heavy winter mulch. (See color page B).

Quartiniana A thick-stalked variety, blooming late in May with flower cones 10 to 12 inches long. Orange-red at first, but bottom half yellow as bloom matures.

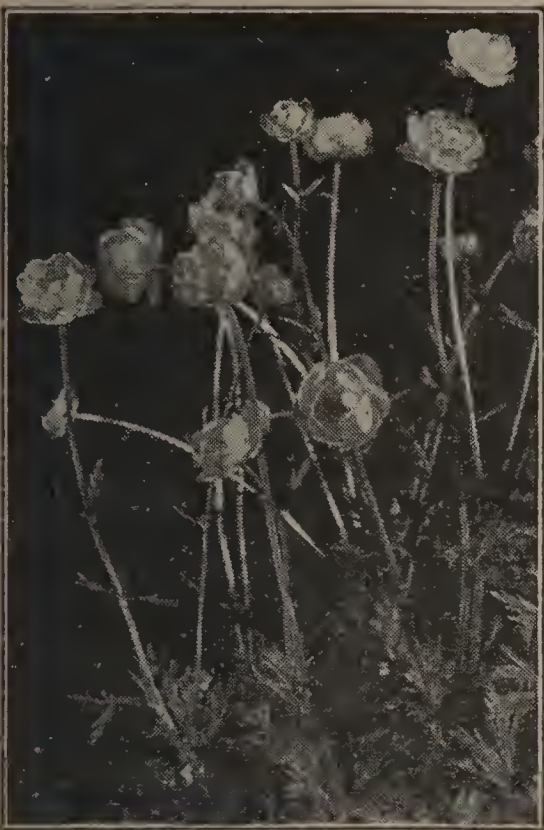
Both, 3, 85c; doz., \$3.00.

Towers of Gold (New). Magnificent, full, uniform cones of unblemished gold to delight flower lovers in August and early September. A brilliant complement for the scarlet and gold Pfitzeri.

Each, 60c; 3, \$1.50; doz. \$5.00.



Statice Latifolia



Trollius—Globe Flower



Valeriana Coccinea Rubra



Yucca—Spanish Bayonet

TROLLIUS ♦ **Europaeus** (Globe-flower). 2 feet. Foliage like Larkspur; 1½- to 2-inch globular bloom on long stems. May and June.
—**Earliest-of-All**. Light orange.
—**Golden Quelle**. Pure gold.
—**Orange Globe**. Best globe form.
—**Orange Prince**. Two seasons.
Each, 40c; 3, \$1.00; doz., \$3.50.

TUNICA ♦ **Saxifraga**. Tufted hair-fine spreading grass plant; tiny pink flowers all summer.
3, 55c; doz., \$2.00.

VERBASCUM, Phoeniceum Hybrids. 18 inches. An interesting type. Large woolly leaves, branched flower spikes. The flowers come in white, pink, rose, purple, bronze, and brown—but offered as Mixed only. Planted in well-drained, light, warm soil, they will reproduce annually from seed.
3, 85c; doz., \$3.00.

VERONICA ♦ **(Speedwell)**
Blue flowers, varying in size and shade, for borders and rockeries.

Armena. 3 inches. Dainty trailing stems like Sedum. Blue flowers all season. This is a really choice type.
3, \$1.00; doz., \$3.50.

Blue Spires 2 feet. A new introduction, rather better than older varieties of its rigidly upright type; the plant quite free from weather blemishes, bushing thriftily. The flower spikes are liberally complete thruout the summer, a distinctive deep blue.
3, \$1.00; doz., \$3.50.

Incana. 1 foot. A rockery favorite because of its silvery setting for the blue of its flowers. Silver foliage; violet-blue flowers. July-August. 3, 70c; doz., \$2.50.

Longifolia Subsessilis (Bluebird Flower). 2 ft. Long bronze-green leaves, deep indigo-blue flowers in thick, elongated, semi-lateral spikes. July to September. 3, 85c; doz., \$3.00.

Repens. Creeping, mosslike plant from Corsica. Shiny half-inch leaves; rose-pink flowers. 3, 70c; doz., \$2.50.

Royal Blue. 2 ft. Good sized spikes, in a striking rich shade of blue. 3, 85c; doz., \$3.00.

Rupestris Nana. 1 to 2 inches. Creeping plants with small, dark leaves. Gentian-blue flowers. April and May. A beautiful matting type.
3, 70c; doz., \$2.50.

Spicata. 18 inches. Upright, with 2-inch, toothed leaves. Blue flowers in long, dense racemes.

—**Rosea**. A beautiful pink form.
Both: 3, 70c; doz., \$2.50.

Trehani. 8 inches. The foliage a golden carpet, beautiful with deep gentian-blue flowers in May.
Each, 35c; 3, \$1.00; doz., \$3.50.

VALERIANA Officinalis (Hardy Heliotrope). 3 to 4 feet. Thick spikes of white flowers, slightly roseate, with heliotrope scent. June-July.

—**Coccinea Rubra**. 2 feet. Reddish pink flowers, in upright panicles like Hyacinths. June to October.

—**Alba**. Blush-white.
All: 3, 70c; doz., \$2.50.



Veronica Incana

YUCCA (Spanish Bayonet)
FILAMENTOSA. Sword-like, evergreen foliage; pendent, creamy white bells along thick 3-4 ft. spikes.
—**Variegated Leaf**. Similar, but the leaves are bronze-green striped and bordered yellow.
2 yr., each, 40c; 3, 75c; doz., \$2.50.

VINCA Minor ♦ (Hardy Myrtle). A trailing evergreen for carpeting where it is too shady for grass; on sloping banks not too dry, a bordering for shaded pools, and as a filler.

1-year field-grown plants:
3, 35c; doz., \$1.20; 100, \$8.00; 1000, \$70.00.
3-inch pot plants: Stock—ready any time:
3, 50c; doz., \$1.80; 100, \$12.00; 1000, \$90.00.

VIOLET (Viola Odorata)

Cultivated varieties, of unfailing interest and popularity for bowls of beauty and fragrance.
Frey's Fragrant. Profuse, single light violet.
Prince of Wales. Large, violet-purple.

Both: 2¼-in. pots, 3, 70c; doz., \$2.50.

Double Russian Crinkled double flowers of fair size and charmingly unique appearance when bunched; combining rich purple-violet color with a delicious sweetness of scent all its own. (Illustrated on front cover.)
2¼-in. pots: Each, 40c; 3, \$1.00; doz., \$3.50.

Rosina A delightful new variety, fragrant; the dainty flowers colored a tender lilac-pink. 2¼-in. pots: Each, 30c; 3, 85c; doz., \$3.00.

VIOLA (Tufted Pansy)

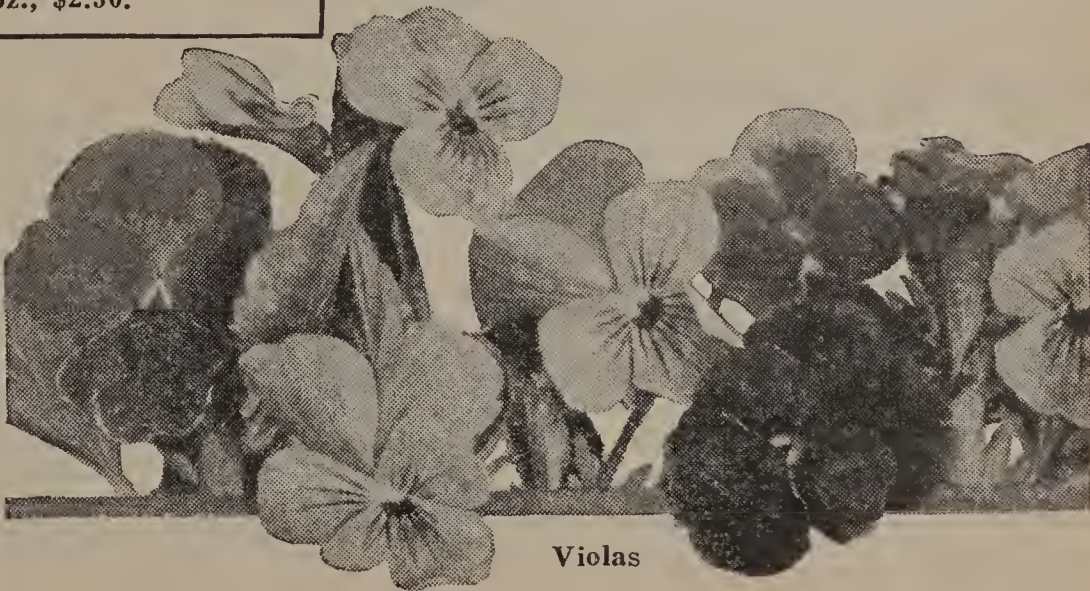
Dwarf edging plants, hybrids of Alpine violet and Garden Pansy; bloom 8 months if sheared often. Brilliant color spots in the rockery or garden borders.

Admiration. Velvety wine-purple.
Blue Perfection, Golden Yellow, White.
All above four: 3, 55c; doz., \$2.00.

G. Wermig. Rich violet-blue.
Jersey Gem. Dwarf, bushy and continuous in bloom; pure, rich violet; slightly perfumed.
Two above: 3, 70c; doz., \$2.50.

Purple Glory. Persistent bloom, long-stemmed; ruby-purple.

Sutton's Apricot. A new, rich apricot color.
Two above: 3, 85c; doz., \$3.00.



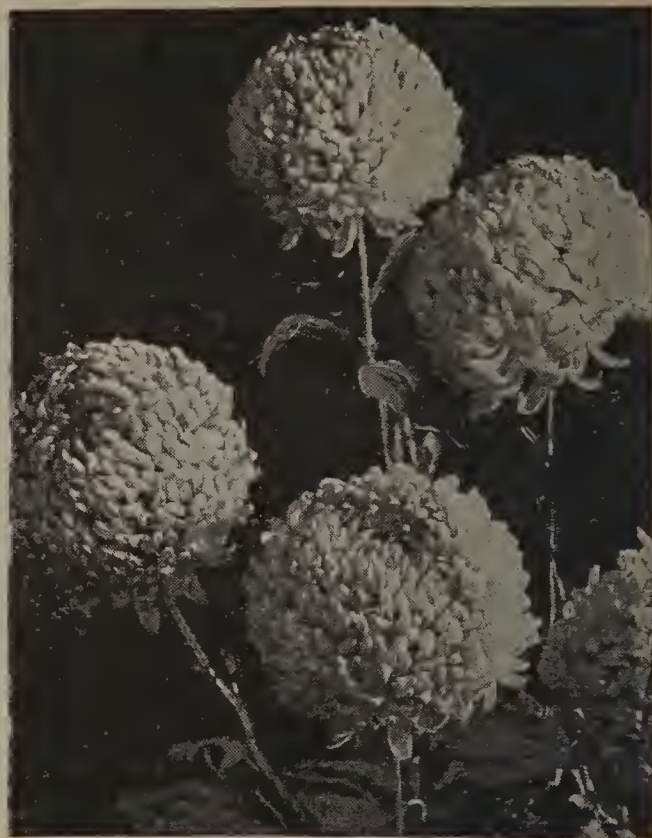
Violas



Abutilon, Souvenir de Bonn

**Fern Dish Collection**

We grow a varied assortment of small, odd-shaped Ferns specially for jardinières and fern boxes. We will mail six "Dish" or Table Ferns in six distinct varieties of our choice for **85c**



Chrysanthemum, Smith's Enchantress

House Plants
Bedding Plants

PLANT DEPARTMENT

Tender Vines
Water Lilies

ABUTILON [Flowering Maple]

For pot plants and for summer bedding, vases and baskets. The flowers are deep bell-shaped, well distributed, borne in profusion all summer.

Savitzi. Sharply variegated green and white.

Souvenir de Bonn. Deep green leaves, irregularly bordered with creamy white. Orange flowers, veined crimson.

Thompsoni. Flowers of orange-salmon-pink, foliage blotched with yellow; a charming combination for pot plants.

ALL: 25c each; 3 for 70c.

AGERATUM

Profuse flowers all season, in rounded terminal umbels, each floret a small round bur of protruding but soft bristles.

Cardinal Mundelein. (New). Beautiful clusters of blue-purple; an intermediate shade.

Purple Beauty. (New). Richest royal purple, extravagant, large bloom; plants compactly mounded.

Riverside (New). Dwarf, compact grower, free-blooming. Large, full flowers, deep purplish blue.

20c each; \$1.50 per doz. By express, \$10.00 per 100.

BEGONIAS See page 55 for Tuberous Rooted

We still carry an assortment of our old line of large-leaved, tall, panicked, decorative house Begonias, available at 30c to 50c each.

Bedding Choicest material for compact, formal beds; fresh waxy green foliage, and constant bloom.

Dresden. Carmine-scarlet. **Prima Donna.** Pink.

Gracilis, Luminosa. Scarlet. **Snow.** Pure white.

Gracilis, Carmen. Carmine-red. **Tausendschon.** Pink.

15c each; 3 for 40c; \$1.50 per doz. By express, \$12.00 per 100.

CHRYSANTHEMUM Large Flowered for Inside Forcing,

or for a one-season fall garden show.

Oconto. Medium size; Japanese; white.

This variety is also hardy.

Smith's Enchantress. Rose-pink.

PRICE:

25c each

3 for 70c

CORSICAN SHRIMP PLANT

BELOPERONE Guttata. A heavy wooded, branching pot-plant up to 2 or more feet, with dark green leaves; almost continuously displaying its uniquely beautiful flowers. These are 2-lipped tubes, white with purple spots, surrounded by $\frac{3}{4}$ -inch, heart-shaped bracts which lie flat and overlapping like scales, along 4 sides of a 3- to 5-inch drooping spike. These are very showy, salmon-red and old rose, with brightly contrasting extremity of primrose-yellow. $2\frac{1}{2}$ -inch, 35c each; 3-inch, 50c.

CHOICE NEW COLEUS

15c each; \$1.50 per doz. By express, \$8.00 per 100.

Big Tim. Medium sized, refined leaves; with dappled green scallops, and prominent base of golden russet which merges into a dust, and final solid overlay, of wine-red and maroon.

Carolina. Bronzed brown-maroon, the central veining a flare of crimson with violet lines.

Eddie George. The biggest leaves are 4 by 6 inches, with a beaded gold edge; solid, velvety, bronze-red-brown.

Goblin's Torch. A jagged flame in vivid, translucent magenta-red imposed on black-maroon; within a stippled bronze-green border.

Hollywood. Clustered small, crinkled leaves defined by yellowish green scallops; a threaded tapestry in red and moldy bronze, carmine and madder-rose.

Marion. Large leaves finely fringed and fluted; their varying stages showing everything from bright green peppered red and maroon with cream-white veins, to a dominant maroon with carmine feathering and up-curved greenish fringe.

Pres. Harding. Fresh green changing to bronze, the center a flaming jagged halberd in garnet.

Trailing Queen. Showy in box and basket for trailing over edge. Small scalloped leaves dark green checked in maroon, the wedge-shaped center gay with magenta and cream.

FERNS

Boston. Fully matured fronds attain a length of four to five feet. $2\frac{1}{4}$ -inch pots, 15c each; 3 for 35c. 4-inch, 50c. 5-inch, 75c. 6-inch, \$1.25. 8-inch, \$2.50.

Adiantum Wrighti. Improved "Maiden-hair". $2\frac{1}{4}$ -inch: 25c each; 3 for 70c.

Asplenium Nidus Avis (Bird's Nest Fern). Broad, shiny, protruding leaves surrounding a nest-like crown. $2\frac{1}{2}$ -inch pots, 60c each; 4-inch pots, \$1.00 each.

Cyrtomium Rochfordianum Compactum (Holly Fern). Beautiful jagged leaves, dark and shiny. A popular heavy dish fern. $2\frac{1}{4}$ -inch, 20c; 3 for 55c.

Selaginella ("Moss Fern").

—**Denticulata.** Droops over the pot sides; a vivid green ball.

—**Emiliana.** A dense, mossy, green carpet.
Both: 20c each; 3 for 55c.

FUCHSIAS (See Hardy Fuchsia on cover and page 41)

Black Prince. Well expanded single flowers; carmine-lake color of corolla and calyx nearly alike.

Little Beauty. Dwarf, single, seldom without flowers. Sepals carmine, corolla deep lilac.

Pride of Orion. Semi-double with long narrow pointed carmine sepals; fluted corolla pure white, with pink stamens.
All 25c each; 3 for 70c.

PARIS DAISY or "Marguerite"

A delight in the garden and in summer boxes, or winter pots.
Boston Yellow. Single flowers, very free; deep canary.
Mother's Favorite. Semi-double; white, anemone center.
Mother's Pearl. Fully double; pure white.
20c each; 3 for 55c; doz., \$2.00.

S. & H. DUSTY MILLER (Senecio Leucostachys)

Erect, tall-growing, heavily branching; a close network of skeleton leaves, silver-white at all times. Best of its kind.
2 1/4-inch, 15c; \$1.50 per doz. By express, \$12.00 per 100.

Single flowered marked (*). **GERANIUMS** From 2 1/2-inch pots.

PRICE 15c each; \$1.50 per dozen.

- Alphonse Ricard.** Bright orange-red.
***Beauty Poitevine.** Rosy salmon, shaded deep orange.
***Irvington Beauty.** Giant, salmon flushed pink and cerise.
Jean Oberle. Exquisite hydrangea or "apple blossom" pink.
Mme. Buchner. Best of the double pure whites.
Mme. Landry. Semi-double. Rich salmon-shaded orange.
Radio Red. A new, double red, pure vermilion, displayed in thick clusters of large florets.
Ruby. Large trusses on extra long stems; deep rosy scarlet; the upper margins pure scarlet.
S. A. Nutt. Dependable for a constant blaze of crimson.
Rose-Scented Leaved. Broad skeleton leaf type; popular.



Variegated Geranium—Wm. Langguth

Wm. Langguth Variegated foliage green and white; beautiful contrasting crimson flowers. 25c each.

LANTANAS

Profuse, continuous blooming bedding plants, 12 to 18 inches. The flowers average 2 inches in diameter, made up of perfect, densely set florets usually showing at least two colors. The weeping variety is very popular for baskets.

PRICE 15c each; 3 for 40c; \$1.50 per doz. By express, \$12.00 per 100.

- Alba Perfecta.** Creamy white; a charming companion.
Countess de Biencourt. Brilliant rose-pink, cream center.
Craigi. Cardinal-red velvet, its center studded with gold.
Weeping Lantana A fine plant for small summer hanging baskets. Delicate rose-lilac in compact umbels, borne freely, in long, drooping sprays.

S. & H. PANSY PLANTS

Thrifty started plants grown from our choicest strains as offered in seeds on page 29. Colors and markings widely varied, and very beautiful. 50c per doz.; \$3.50 per 100. By express, \$3.00 per 100; \$25.00 per 1000.

SANSEVIERIA

- Zeylanica.** Each upright, wavy leaf arising from the roots is striped crosswise with broad jagged white variegation on dark green. 2 1/4-inch pots, 25c; 3-in. pots, 50c.
Laurenti. A striking novelty form, the variegation being a rich cream color instead of white, with the addition of a wide cream border around each leaf. 2 1/4-in. pot, 35c; 3-in. pot, 60c; 4-in. pot made up 3 plants, \$1.00.

Miscellaneous House Plants

2 1/4-inch pots if not noted.

	Each	3
ACHYRANTHES. Brilliant foliage plants for summer bedding.		
— Herbsti. Transparent leaves of rosy carmine.		
— McNally. Red stemmed; bright green with yellow veins.		
Both kinds: \$1.50 per doz. By express, 100, \$10.00	\$0.20	\$ 0.50
ALOE—True Tiger. A vastly superior strain of variegated Aloe, one of the finest and most favored of succulent plants. The broad, pointed, thickly tubular leaves are dark green, emphatically spotted or "tigered" with white. 1 3/4-in...	.25	.65
ANTHERICUM Goldianum. Dense clump of inch-wide arching foliage, cream and green....	.25	
BABY'S TEARS or "Paddy's Wig" (Helxine soleioli). A charming little mosslike covering plant, useful for wall-bracket, shallow table-pot, or greenhouse ground. 2 1/4 inch .....	.25	.65
BROWALLIA, Blue Giant. All-year supply of solitary dark blue, star-like flowers. \$1.50 doz.	.15	.40
— Grandiflora Alba. Large white flowers.....	.20	.50
CRASSULA Arborescens. The fine old "Jade Plant"; leaves rounded, thick and rubbery; murky bronze-green. 2 1/4 inch .....	.25	
CUPHEA Tricolor (Cigar Plant). Useful in basket and window-box by showing innumerable little flame tipped red "cigars," on small-leaved plants .....	.20	.50
DRACAENA indivisa. Numerous slender, grass-like, but rigid, green leaves, the favorite center plant for box, vase and basket planting. 4-in. ...	.50	
EXACUM Atrocaeruleum. A 2-foot summer garden plant; blooms all summer with round, single flowers, bright blue with gold eye.....	.35	
FARFUGIUM Grande (Leopard Plant). Big round leaves, blotched yellow, cream and sometimes pale rose. 4-inch pot plants .....	.75	
FICUS Repens. A fine close leaved trailing plant	.15	.40
FITTONIA Argyroneum. Large round leaves of vivid green with a network of pure white veins.	.35	.90
— Verschaffelti. Dark bronze-green, lit up with netted veining of coral-pink .....	.40	1.00
HELIOTROPE, Centefleur. Dwarf; florets wide and flat, deep heliotrope, with conspicuous white eye .....	.25	.70
HIBISCUS, Cooperi Tricolor. Shrubby upright growth with drooping irregular leaves variegated in greens, pinks, and white. 2 1/4 inch ....	.30	
HOYA Carnosa. (Wax Plant). For pot trellis. Thick, rubbery leaves; unique wheel shaped scented flowers, waxy white with pink center..	.40	1.00
IMPATIENS, Sultana Hybrids. Mixed .....	.25	.60
KALANCHOE Coccinea. Small, rounded, bright green foliage, and brilliant scarlet flowers like Bouvardia. A consistent bloomer during many weeks under adverse living-room conditions ...	.35	1.00
LEMON VERBENA (Aloysia Citriodora) .....	.20	.50
PELARGONIUM, Mrs. Layal. The genuine "Pansy Geranium." Rounded, satiny, its colors range from a crimsoned chocolate center through pink to white at the edges .....	.25	.65
PEPEROMIA Sandersi (Watermelon Begonia). Round convex leaves, dark green, striped gray like a Melon. 2 1/4-inch .....	.40	1.00
3-inch .....	.50	1.40
— Floridana. The oval convex leaves are of large size, plentiful; a shiny, smooth surface of fresh brilliant green, 2 1/2-inch .....	.40	1.00
PILEA (Artillery Plant). Makes a fine "wind-bent shrub," or an ancient olive tree in dish gardening. As a pot plant is a dense, rounded mass of tiny round leaves, with yellowish flowers ...	.25	.65
VINING PLANTS. See page 54		
VIOLETS. See page 51		

TENDER VINES FROM Plant Department

Postpaid, 2¼-inch Pots Unless Otherwise Noted.

ASPARAGUS. General utility, green trailing plants.

—**Plumosus Nanus.** Feathery foliage on thin hard stems, in long emerald sprays; a rich setting for cut flowers.

—**Sprengeri.** Mostly used in boxes and baskets; its long, dense trails provide the best dark streamers of any vine. Both: 2¼-inch, 20c each; 3 for 50c.

IPOMOEA grandiflora (Moonflower). For outside stringing after May 1st. Satiny white flowers, 5 to 6 inches in diameter, borne abundantly throughout a long season, opening at sundown for the night, emitting a rich Jessamine odor.

—**Heavenly Blue.** Beautiful sky-blue flowers by day. Both: 20c each; 3 for 50c; doz., \$1.75.

IVY, English (Hedera Helix). Foliage is rich, waxy green with prominent lighter veins, and is very attractive when trained against harmonious paper or woodwork; or later to decorate and veil summer porch boxes.

—**Large Leaf** (S. & H. choice strain). 20c each; 3 for 50c. 4-inch, 40c each; 3 for \$1.00.

—**Hahn's Branching.** Very dense with much smaller leaves. Best type for wall brackets. 20c each; 3 for 50c.

—**Parlor** (Senecio mikanioides). The well-known German Ivy for walls, hanging baskets, and urns; pretty, light bronze-green with 5 to 7 points. 20c each; 3 for 50c.

—**Japanese** (Vitis Rhombifolia). A strong branchy vine, remindful of both Wild Grape and Ampelopsis. 2¼-inch. 25c each; 3 for 65c.

MANETTIA VINE. Filled at all times with small tubular flowers of brilliant scarlet, with yellow tips. Desirable for baskets, vases or small trellises. 20c each, 3 for 50c.

PASSIFLORA Pfordti (Passion Vine). The 4- to 6-inch fragrant flowers are waxy; sepals greenish white; petals pink; the numerous needle-like filaments black-purple at base, then blue-purple, with pointed white tips; the heavy protruding stamens branched like a cross. Foliage dark green in 3 broad lobes and heavy base. 25c each; 3 for 65c.

PHILODENDRON Cordatum. Wide heart-shaped leaves, shiny dark green, on thick, twisty stems. A thrifty climber for fancy indoor vining effects. 35c each; 3 for \$1.00.

—**Micans.** Lustrous, velvety, the veining noticeable, edges slightly purplish pink. 50c each; 3 for \$1.25.

POTHOS aureus. Broadly heart-shaped, leafy vine, clear green spotted yellow. 40c each; 3 for \$1.00.

SAXIFRAGA Sarmentosa (Strawberry Geranium). Clustered wide, round leaves, green heavily veined white, the under surface red. The early summer flowers are small, in slender spikes, the white petals spotted yellow and red. The main plant throws out runners like strawberry plants, clothed with rosettes of foliage. 20c each; 3 for 50c.

TRADESCANTIA (Wandering Jew). Thick, waxy, lance-shaped, brilliantly striped foliage, on substantial vines.

—**California.** Emerald-green capriciously striped white, and flushed soft pink.

—**Striata.** Bright green, striped cream with grayish reverse.

—**Cyanotis Multicolor.** Striped maroon and silver.

All: 15c each; 3 for 40c; \$1.50 per doz.

VINCA Major Variegata. Beautiful variegated green and white foliage; strong trailing habit; the bright blue Myrtle flowers contrasting prettily against the creamy white pattern in the leaves.

2¼ inches, 15c each; \$1.50 per doz.

By express, 4-inch pots, 35c each; \$3.50 per doz.

HARDY Water Lilies

Location Sunshine and unchilled, undisturbed water are essential.

Soil Should be mellow clay loam, fertilized with one-fourth well-rotted cow manure, about 12 inches deep. Horse and sheep manures are dangerous to use. Of commercial fertilizers, Vigoro is probably as good as any.

Water Any clean water will do, not in strong motion; its depth above soil not arbitrary, but 12 inches is best.

Planting The longer roots should be firmed into the dirt slanting or flat; but set all shapes so that the crown is even with the surface of soil. In case the pull of spreading leaves, or other disturbance loosens the root-hold, poke them back and refirm the soil or further bind them down with stones.

The average space to allow for plants is about 2 feet square.

Original propagation is slow; S. & H. Lily roots are two or more years old, and ready to bloom. Shipping may commence about April first, and is practical up to the first of June. Established pools with a good assortment, begin showing flowers in May, each of an average five-day existence, with unbroken continuance and varying extravagance, until late fall.

Plant a Pool!

The growing of Water Lilies has always seemed to average small-lot gardeners, as something too exotic and mysterious for them to attempt, or too expensive for their budgeted investments. Have no fear. The pond, pool or tub is not really expensive; construction, planting and maintenance are actually simple; prices of choice stock are now greatly reduced.

SPECIAL OFFER OF WATER LILIES

1 SUNRISE	
1 GLORIOSA	Value
1 ROSE AREY	\$6.50
1 GLADSTONE	
4 By mail,	\$5.85
postpaid	



Marliac Rose

NYMPHAEAS

★ ★ Prices are delivered to you. ★ ★

Attraction A superb red Lily, capable of an 8-inch spread. Garnet, tipped rose, maturing to deep red; the sepals white, with rosy streaks maturing garnet-red. \$2.50.

Chromatella The one distinct, popular yellow; 5-inch cup. \$1.00.

Comanche Flower and stem uniquely upheld above the water. Rich apricot, maturing coppery bronze with ruddy shadows in the depths; orange stamens. \$1.50.

Gladstone (True). 6 to 8 inches across; pure white. Of several excellent whites, this is the best, and scarce. \$1.50.

Gloriosa Choice; producing up to 200 glorious blooms with apple-blossom fragrance; not large, but perfect, and exceptionally double. Brilliant carmine-red. The vivid color, freedom and small leaf-spread, popularize it for tubs. \$2.00.

James Brydon Voluptuous, full-petaled crimson-red; cup-shaped, with enriching red-gold stamens. \$2.50.

Laydekeri Lilacina Of gracious form, size and development; soft lilac warming to deeper tone; sweetly fragrant. Rare; we control most of the stock. \$1.50.

Marliac Rose Good size, fragrant, long lasting, choice cut flower. Distinct coloring; deep pink, graduating to delicate rose at tips. \$1.50.

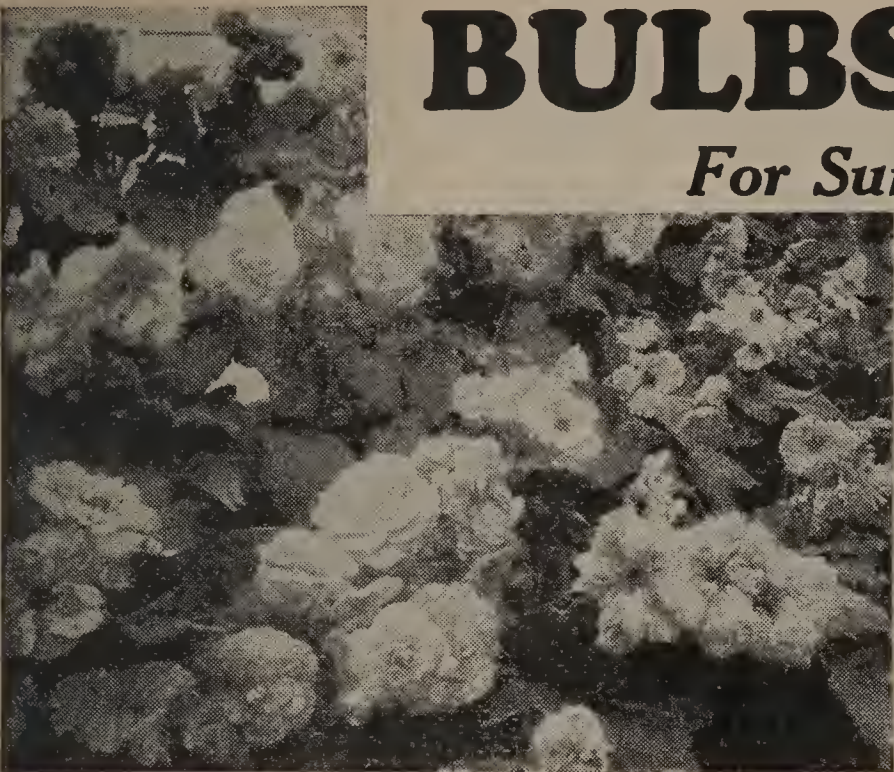
Rose Arey Best of the pinks; brilliant cerise-pink with velvet shadows. Flowers spread to eight inches, with pointed petals and curling edge; scented. \$1.00.

Sunrise The largest hardy Lily in flower, leaf and root, requiring a 4-foot space. Salmon-olive-brown buds burst forth, in wide-flung rays with tints of primrose, gold and opal. Full blown, its immense flowers resemble chrysanthemums, clear yellow, lemon-chrome stamens. Earliest, largest, most unique, fragrant. \$2.50.

W. B. Shaw Flowers quite large, a delightful shade of shell-pink; pleasingly fragrant. \$1.00.



W. B. Shaw



Tuberous-Rooted Begonias

BEGONIAS, Tuberous Rooted

For pot plants and garden beds. When grown outside, take up before cold weather, spread out to dry, pack in boxes of dry sand and store through winter in some cool place, yet not where frost can reach them. Some little time before planting outside in spring, they should be potted and kept inside until well started. They delight in a partial shade in soil composed of leaf mold, sand and well-rotted manure.

- Double Camellia Flowered** Separate colors: Scarlet, deep rose, shell-pink, orange, crimson, salmon and yellow, or mixed.

Cristata Single flowers slightly frilled, each petal bearing a coxcomb-like tuft or crest. **Mixed.**

Fringed and Ruffled (Crispa). Flowers of immense size, beautifully frilled, fringed and wavy. Separate colors: Dark red, rose-pink, salmon, scarlet, orange, yellow, and white, or mixed.

Trailing (Pendulata). Very useful and beautiful for hanging baskets and boxes, and in the rock garden. Extended trailing stems and extra leafage. The flowers are single, large, waxy, well distributed. **Mixed.**

Above: 25c each; 3, 70c; doz., \$2.50; \$18.00 per 100.

Duplex Immense ruffled single flower, each with a smaller flower super-imposed on it.

Mixed. 30c each; 3 for 80c; doz., \$3.00; 100, \$21.00.

CALADIUMS

- Esculentum** (Elephant's Ear). Stands 6 to 7 feet high, with bright green leaves 3 to 4 feet long and 2½ feet wide. Should have plenty of water and good rich soil. Is a splendid adornment for the banks of lily ponds.

Large Size Bulbs. 25c each; 3 for 65c; \$2.50 per doz.

Fancy Leaved Beautiful variegated foliage plants, revealing in many soft colors and indescribable beauties of design; for window boxes, vases or single pot

plants, succeeding equally well in a somewhat shady situation out-of-doors. After becoming well established, they require liberal watering, coupled with adequate drainage. The bulbs should be started into growth about the first of April, dried off in October, and kept warm and dry until spring.

Mixed. 35c each; 3 for \$1.00; \$3.50 per doz.

CALLAS

The White Calla is rarely used except for house blooms; but the hardier spotted-leaved variety, Elliottiana, is also much used in gardens for the beauty of its foliage as a border, and its delightful flowers for late summer cutting. The bulbs should be set out after danger of frost is past, and dug up again in the fall for drying off and winter storage.

- Elliottiana** Clean, dark foliage spotted creamy white, and splendid flowers of waxy golden yellow.

Extra Large. 2 to 2½ in., 30c each; 3 for 75c; \$2.50 per doz.

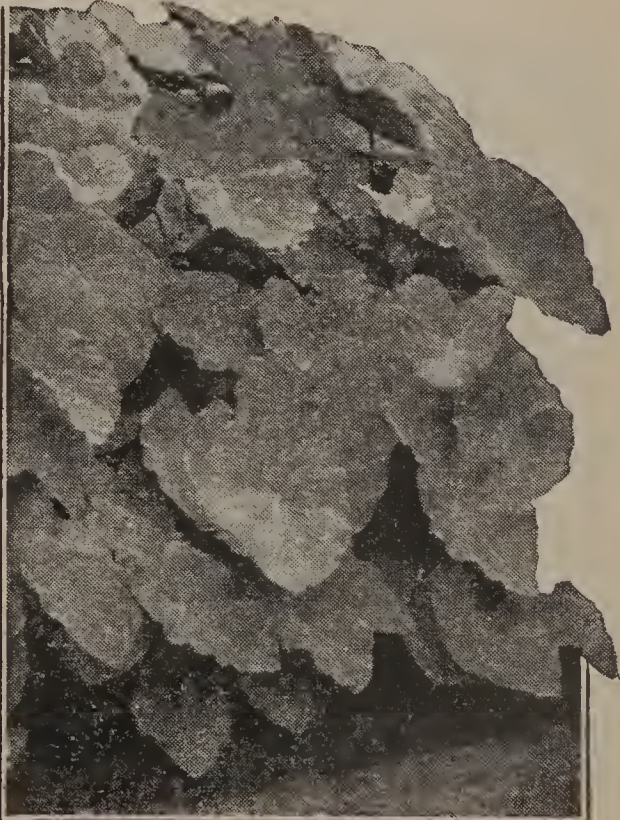
S & H Godfrey Everblooming Calla
Flowers pure white, delicately scented, extra free, of prolonged blooming season. Ours is a special strain improving size and perfection of the flowers. 25c each; 3 for 60c; \$2.00 per doz.



Fancy-leaf Caladiums



Giant Amaryllis Hybrids



Caladium—"Elephant's Ear"

BULBS and TUBERS

For Summer and Fall Blooming

AMARYLLIS

Valuable alike for house, conservatory or summer garden. For pot culture, they should be potted in well drained soil composed of leaf mold and light loam, or in any rich soil. One bulb to a 5-inch pot, just barely covered. The lily-like flowers run to large size, with broad recurving petals, and should appear in a few weeks after potting. After blooming season is over, withhold water, as the top begins to die; when thoroughly ripened place in dry, cool place, leaving plant in pot to allow season of rest.

Giant Hybrids Our offering is a selection representing the finest, largest flowered, and most richly colored strains of modern development. The body color may be white, broken up by heavy streaks and lines of tropic luxuriance, in rose, red and other colors—or else dominantly orange, cherry, cerise, crimson, with mottling or striping of vivid contrasts; 3 to 6 flower stalks to the bulb. Offered in mixed colors only.

	Each	3	Doz.
First Size. 2¼ to 2½ in.	\$0.30	\$0.85	\$3.00
XX Size. 2½ to 3 in. ....	.45	1.25	4.50
XXX Size. 3 in. and up ....	.60	1.65	6.00



A Bed of President Cannas



Gloxinia

CANNAS

Tallest and showiest of all bedding plants; with broad, shining leaves and heavy flower trusses. Set 18 inches apart.

City of Portland (3½ ft.). Coral-rose-pink, holding its tone through both hot and cold weather.

Hungaria (3½ to 4 ft.). Bright Neyron-rose-pink, throat slightly mottled in lighter shades.

King Humbert (4 to 4½ ft.). Immense flowers, orange-scarlet flecked with rose. Beautiful heart-shaped leaves, bronze, shaded purple and brown.

Queen Helen (4 to 5 ft.). Green leaves; large flowers golden yellow blotched crimson.

Richard Wallace (5 ft.). Pure canary-yellow.

Rosemond Coles (5 ft.). A showy new variety of robust character, with massive orchid-type flowers. The flashing color is deep reddish orange, illuminated by a mottled border of golden yellow.

The President (4 ft.). Deep crimson-scarlet.

PRICE	3	Doz.	100	By Express
Dry Roots . . .	\$0.30	\$1.00	\$ 7.00	Before May 1st
Started Plants	.75	2.50	15.00	After May 1st

Eureka Bulky bloom, best pure white.

Venus True rose-pink, throat and margins fancifully mottled in creamy white. Makes a long-lasting cut flower.

Both: Started plants, 3, \$1.00; doz., \$3.50.

CINNAMON VINE

Dioscorea
Batatas

A beautiful vine of glossy, heart-shaped foliage. Tops die down for winter, but spring forth early with renewed vigor. Tiny white flowers in small axillary clusters, scent the neighborhood with a delicious cinnamon fragrance.

Roots, 4 to 6 inches, 15c each; 3, 40c; doz., \$1.50.



Tuberose

GLOXINIAS

Handsome, large, round, hairy leaves and quantities of big flowers. Give rich, light soil and partial shade, until well started into growth; in watering, do not wet the leaves. When through blooming, store in dry, warm place for next repotting.

Bavaria Dark blue with white throat, and ruffled edge.

Blue Sky Azure-blue with white clouds.

Pink Lady Soft coral-pink.

Red Admiral Flaming crimson.

Spotted and Tigered Mixed.

Wandsbek Blud A new European variety; a very fine blood-red.

Each, 35c; 3, \$1.00; doz., \$3.50.

Mixed. 3, 95c; doz., \$3.25.

MADEIRA VINE

A beautiful rapid growing vine with dense foliage, fleshy, heart-shaped, light green. Numerous mignonette-like feathery racemes of fragrant white flowers.

Heavy tubers: 15c each; 3 for 40c; \$1.50 per doz.

TUBEROSE

Excelsior Pearl, Fall flowering bulbs; long, compact spikes of double, waxy white flowers; exquisitely perfumed. A favored boutonniere for men.

3 for 25c; 75c per doz.

By express, \$5.00 per 100.



Godfrey Calla. See page 55.

Lily-of-the-Valley

The loose panicles of tiny bell-shaped flowers set low in their emerald foliage, and are not conspicuous; but they do cover the waste ground, furnish a vast amount of cut sprays, and sweetly perfume the entire yard. Best in shade.

2-year pips (Berlin strain). Doz. 60c; 100, \$3.50; 250, \$7.50.

Special

Landscape Clumps

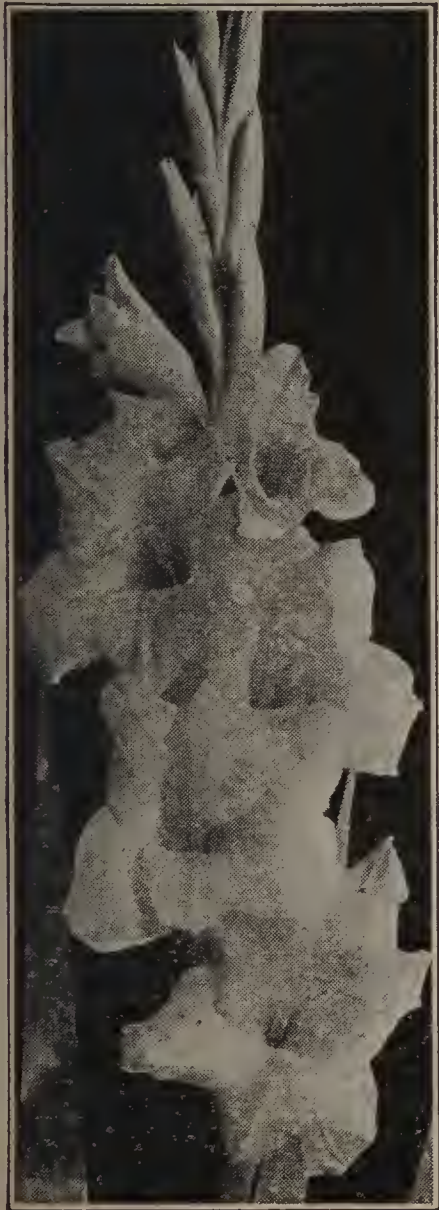
Valleys bloom first at 3 years of age. To provide bloom the first year, with assured continuance each year thereafter, we have had a block grown for us in this special form; 8 or 10 inch squares, with roots tenaciously intertwined, containing about 20 pips of 3, 2 and 1-year together. By Express not prepaid: each, 50c; 3, \$1.25; doz., \$4.50.





Margaret Fulton

GLAD PRICES		
Delivered to You!		
100	Doz.	3
\$3.50	\$0.50	\$0.15
4.50	.65	.20
5.00	.70	.25
6.00	.85	.30
7.00	1.00	.35
10.00	1.45	.50



Betty Nuthall

GLADIOLI No. 1 Size

Gladiolus flowers last longer when cut than most any others and open up best in water. Bulbs should be planted between April and May, 4 inches deep and 2 inches apart in the drills, single rows 12 inches, and double rows 18 inches apart. Beds do well planted 4 to 6 inches apart each way.

Thrip. As a safeguard against thrip, our bulbs are carefully fumigated for 24 hours with the very effective gas Ethylene Dichloride (3 parts) and (1 part) Carbon Tetrachloride, applied on the basis of 14 lbs. to 1000 cubic feet of cellar storage. This should render the bulbs you get absolutely free from thrip germs. Should thrip develop from air carriage during the growing season, there are several good applications available.

The 100 Price is Stated.
Refer to Schedule for Doz. and 3
Glad. Novelty Group

Albatross. (New). Very early; largest and in every way the best pure white. \$6.00.

Bleeding Heart. A lovely new, large flowered variety, with 10 to 12 florets; soft blush-white as a foil to the prominent blood-red blotch. \$6.00.

Commander Koehl. Red as blood, with velvety cardinal shadows. Probably the most outstanding red, without blemish. Flowers are boldly heavy, on sturdy spikes. \$6.00.

Frank J. McCoy. Tall stems; immense flowers in eights; nearly solid dark pink. A prize winner whenever well shown. \$7.00.

Maid of Orleans. (New). Tall, late, of fine up-standing character; unblemished creamy white. \$6.00.

Margaret Fulton. Rich strawberry-pink, the throat deeper, but without blotch. Very free, long keeping. \$6.00.

Pelegrina. Violet-blue with a velvet finish; the best and most dependable blue yet known, with 8 flowers open at once. \$7.00.

Phyllis McQuiston. (New.) Pure pink with almost no shading; but deep in the throat is white. An outstanding novelty. \$10.00.

Picardy. A genuine sensation among Glad enthusiasts. Often opens 8 very large flowers at a time. Of heavy, waxlike substance, the edges gently ruffled. A delicate suffusion of apricot and salmon-pinks. \$4.50.

Pride of Portland. (New.) Late, with very large flowers. Soft red, velvety with a soft yellow blotch. \$6.00.

Red Phipps. A new derivation just like the voluptuous pink Phipps, except the color is rich, warm red. \$7.00.

Wasaga. A dainty basket and make-up type; apricot tinged Nasturtium, with buff throat; the edges heavily ruffled. \$7.00.

Above Novelty Set Three of Each (36 bulbs) **\$3.75**

STANDARD VARIETIES

Aflame. Begonia-rose flaming to red near the edge and on back. Both spike and florets are large. \$4.50.

Ave Maria. Many large well-placed florets of good substance; light blue with a purple blotch. This is one of the best blues. \$5.00.

Bagdad. A magnificent smoky old rose, darker at margins, lighter in throat. Many large florets at once. \$5.00.

Betty Nuthall. Sparkling, iridescent orange-pink; the throat golden orange lined carmine-rose; the reverse a delightful coral-pink. This is extremely popular. \$4.50.

Break o' Day. An early light pink of great commercial value for cut flowers. \$3.50.

Carmen Sylva. Large flowered, sturdy; pure white with slight carmine throat markings. \$3.50.

Dorothy Dell. (New.) Large clear bright orange with a lighter throat. (Replaces Nancy Hanks.) \$5.00.

Dr. F. E. Bennett. Velvety flame-scarlet, throat dusted with ruby and cream. Very large and many flowers. \$5.00.

Giant Nymph. La-France-pink, creamy yellow throat. Splendid cut flower type, large size, full spike. \$3.50.

Gold Eagle. Very early, tall; good-sized flowers slightly ruffled; wide open, solid deep lemon-yellow. \$3.50.

Golden Dream. Late, tall, large; rich golden yellow, many open at once. \$3.50.

Marmora. A popular "smoky" with 8 or more flowers open at one time; silver-gray suffused lavender, with deep rose in the throat. \$4.50.

Minuet. A model for size, shape and placement, ranking high; the very best clear, light lavender. \$6.00.

Mother Machree. "Queen of the Smokys." Once cost \$100 per bulb. Vinaceous lavender, the edges overlaid salmon-pink. \$6.00.

Veilchenblau. Velvety violet-blue. \$5.00.

W. H. Phipps. Flowers of immense size, long, massive spikes, all out at once. La-France-pink, lighter at center; flowers faintly clouded with ruby dots. \$4.50.

Yvonne. A lovely stranger in our midst. Large graceful flowers, often 8 open; flesh-pink, with a soft red or strawberry-pink blotch on lower petals. \$4.50.



W. H. Phipps

S & H

"Old Glory"

MIXTURE

Our special hand-made assembly of choice listed varieties, one each to the dozen, or ten each to the hundred. No guesswork.

Doz., 40c; \$3.00 per 100, delivered. By express, collect, \$25.00 per 1000.



Aflame

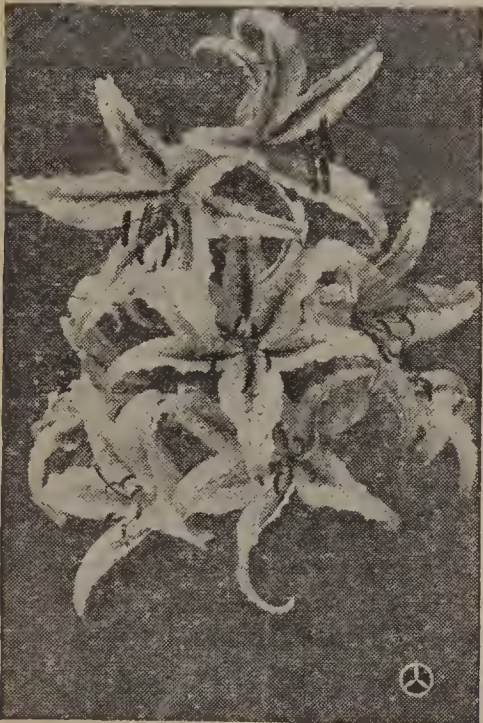


Tiger Lily

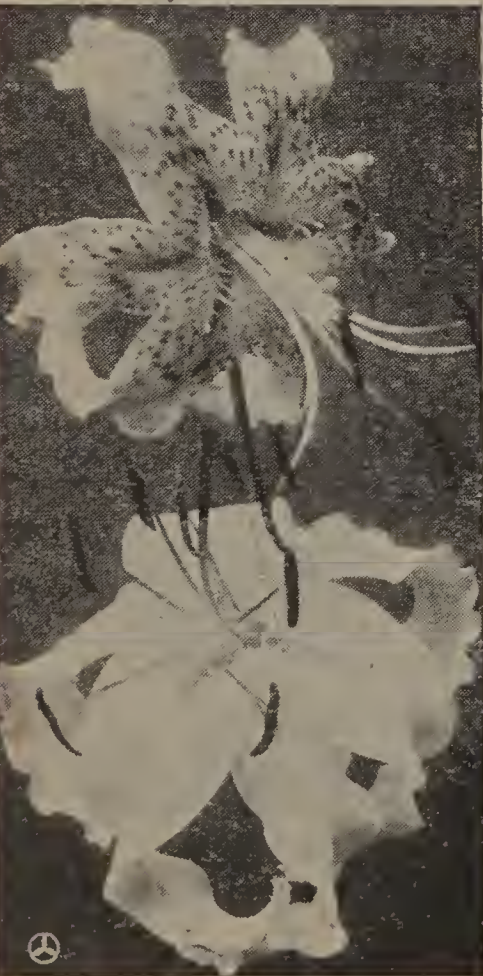


The
Regal
Lily

HARDY LILIES



Auratum



Magnificum, and Album

MOST Lilies will succeed in any light, sandy or loamy soil if sufficiently enriched and properly drained. Decayed peat and leaf mold are often successfully mixed with the other soil. Well-rotted cow manure is best, thoroughly mixed in, followed in after years by top dressing. Fresh manure must be avoided.

In garden planting, the bulbs should be set no less than three times their own depth and mulched heavily after the first frosts come, for winter protection. In locating these plantings remember that Lilies object to frequent removal; they should be left undisturbed several years. See our offer of Hardy Water Lilies—page 54.

Prices include delivery to you.

Auratum (Gold-Banded Japan Lily). The flower heads are large, with broad petals gracefully recurved. White, thickly studded crimson-maroon, with a wide gold band down the center of each petal. July-August.

	Each	3	Doz.
First Size	\$0.40	\$1.10	\$4.00
Extra Large .....	.50	1.40	5.00

Batemanniae. Bright apricot tinted flowers; blooming in July-August. Each, 30c; 3, 80c; doz., \$3.00.

Croceum. A handsome, showy Lily, 3 to 6 ft. high, with up to 20 horizontal flowers 3 to 4 in. in diameter. Hardy, vigorous and long lived. June and July flowers, orange-yellow tinged red, spotted purplish black. Each, 50c; 3, \$1.40; doz., \$5.00.

Elegans atrosanguineum. Hardy, dwarf, stocky grower, blooming freely in June and July with large, erect, vivid flowers. Velvety blood-red inside, the outer surface sheened with gold. Each, 40c; 3, \$1.10; doz., \$4.00.

Henryi (Yellow Speciosum). One of the finest hardy Lilies, of strong, vigorous growth, with flower stalks 3 to 5 feet long; deep apricot-yellow, lightly spotted brown. August-September. Each, 50c; 3 for \$1.40; \$5.00 per doz.

The Regal Lily 4 to 5 feet, well foliaged; crowned with varying clusters of very large, long tubed, wide mouthed Lilies. Although immaculately white, the outer surface of the flower is streaked with a delightful stain of coral-pink; the deep throat being heavily gilded. The perfume is exquisite. June-July. Our stock this year is mostly choice, well-ripened Oregon grown.

Flowering Sizes	Each	3	Doz.	100
4 to 5 in.	\$0.15	\$0.40	\$1.50	\$ 9.00
5 to 6 in. ....	.20	.50	1.70	10.00
6 to 7 in. ....	.25	.60	2.00	15.00
7 to 8 in. ....	.35	.90	3.00	21.00

Speciosum Album. A pure white with a green band traversing the center of each petal. 8 to 9-inch bulb. Each, 40c; 3 for \$1.40; \$4.00 per doz.

Speciosum Rubrum Magnificum. This is one of the joys of August; ruby spots informally distributed over a broad expanse of white. 8 to 9 inches. Each, 35c; 3 for \$1.00; \$3.50 per doz.

Superbum. Runs from 3 to 6 feet in height, its nodding crests adding to the general brilliance of July and on into September, with from 5 to 40 handsome blooms of orange-scarlet shaded yellow, with red anthers. Requires shade and moisture. Each, 20c; 3, 55c; doz., \$2.00; 100, \$15.00.

Tenuifolium (Coral Lily). A flashy little midsummer Lily, great for mass effect, good in rockeries, often potted. The flowers are tiny 2-inch balls, but so numerous and so intensely scarlet they shame the larger reds. Slender stems 1 to 2 feet high, with fine cut ferny foliage. Each, 25c; 3, 70c; doz., \$2.50; 100, \$17.50.

Tigrinum Splendens. A much improved strain of the well known "Tiger Lily." One of the easiest Lilies to grow successfully, attaining 4 to 5 feet in height and blooming profusely during July. Orange-red, heavily spotted with black. Each, 25c; 3, 70c; doz., \$2.50; 100, \$17.50.

Tigrinum Flore Pleno. 3 to 4 feet. The "Double Tiger Lily." A very showy flower naturally heavier and bulkier than the single type, with richer coloring. Each, 25c; 3, 70c; doz., \$2.50; 100, \$17.50.

Lily-of-the-Valley See page 56, with new offer of special landscape clumps.

OTHER "LILIES." The Day Lilies or Plantain Lilies are listed under Funkia; Corn or Lemon Lily under Hemerocallis; Calla Lily under Calla; Torch Lily is Tritoma.

S & H Hardy Field-Grown Roses

OUR ROSES ARE BUDDED ON HARDIEST STOCK

The varieties we list are all hardy, with winter protection. As a popular service, we cut back and root-prune your Roses,—ready to plant. This also cuts down transportation expense.

CULTURE. Before planting, consider these simple instructions: Sunny location protected from boisterous, cold north winds. The soil should be clean and mellow; containing some clay for body and some gravel or peat for porosity, with thoroughly worked-in fertilizer—well-rotted manure being the best. Dig the holes deep and big enough so that the roots may be naturally spread out, resting upon and enveloped by a generous amount of the prepared soil filler. Make sure all the fibrous roots are firmly packed into their new home, by sifting and tamping. Do not mound the surface, as that would divert rainfall and applied moisture. Be particular to soak the fresh planting, and never allow it to dry out, or the soil to cake. "Ever-blooming" Roses require about 18 inches planting space; June Roses, about 2 feet. The climbers need some kind of trellis support. The Rugosas, Hugonis and Native types are used just the same as shrubs; the Baby Ramblers in massed beds, or as borders and for low hedges.

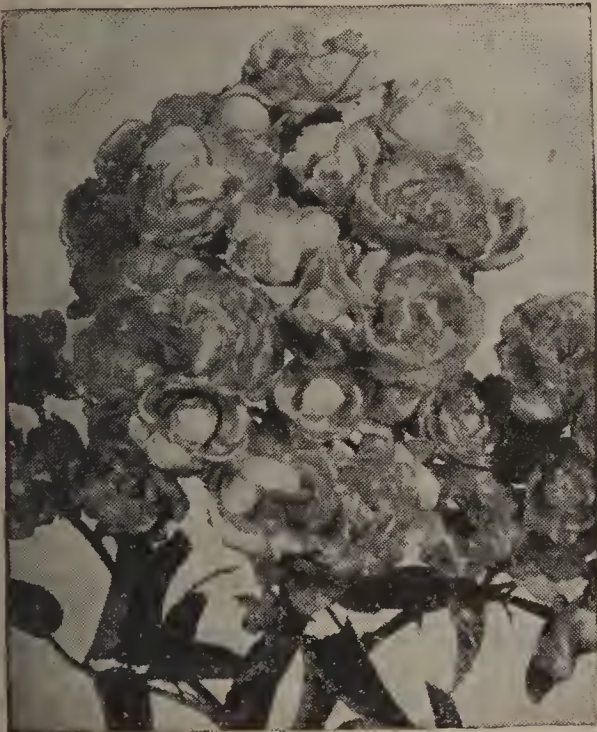
IN COMPARING PRICES, all we ask of you is to give quality and grade their true value. Our old customers will understand.

The finest super-grade in the Mail-Order trade. Purchasers of this grade from our cellars will get the benefits of our fresh, well-kept stock, unexposed beyond the day or two (packed), in transit.

S & H #1 ROSE GRADE

BARGAIN OFFER
on
Color Page
C

BABY RAMBLER ROSES



New Baby, Gloria Mundi

**All-Summer Bloom—
A Fine Low Hedge**

Blooming all summer, their brilliant clusters lay ribbons of color along the garden borders from June till fall. They seldom grow higher than 18 or 24 inches, and spread never over 2 feet.

Hedges of the thriftier kinds are now being used extensively, thus combining good low-growing hedge material with a continuous, sparkling show of flowers.

Postpaid Prices	Each	3 for	6 for	12 for
	60c	\$1.65	\$3.00	\$5.50

Crimson Baby Rambler The original of this dwarf group. Border your paths and garden beds with lines of this vivid, long-seasoned, long-lived, deep crimson clustered Rose.

Ellen Poulsen. Full sweet-scented clusters of dark pink.

Erna Teschendorf. Unfading crimson-cardinal. One of the most dependable for continuous bloom.

Gloria Mundi (New). The best and most generally satisfactory of the orange-scarlet Polyanthas; emphatic, clear, uniform, comparatively unfading. Fully double, with many florets in each cluster.

Golden Salmon. The flowers are large, semi-double, thickly clustered, never missing throughout the season; beautiful red-salmon overlaid orange and gold; light eye.

Triomphe Orleanais. Similar in bright color to 'Crimson Baby, but much larger flowered.



"Blaze"—The Sensational Everblooming Climber
(Don't be misled by this picture. The color is actually a richly brilliant scarlet-red.)

Choice Patented Roses

NEW HARDY CLIMBERS—At Postpaid Prices.

Blaze (U. S. Plant Patent No. 10). "The Everblooming Hardy Climber." An important introduction bringing to pillar and trellis the unusual charm of plenteous clustered bloom many weeks beyond the accustomed limit for hardy climbers. Blaze unites the free all-summer blooming of Teplitz, with the fiery scarlet color of its other parent, Paul's Scarlet. Each, \$1.00; 3 for \$2.50.

Doubloons (U. S. Plant Patent No. 152). Dependable hardiness, vining vigor, and satisfying quality and quantity of bloom in a genuine yellow color, has been achieved by this fine new variety after 30 years' experimenting by its producer. The ovoid buds are deep saffron-yellow; the flowers large, double, cupped, fragrant, rich gold fading but little. Gives two liberal crops six weeks apart. Each, \$1.50; 3 for \$3.75.

NEW HYBRID TEAS—At Postpaid Prices.

Countess Vandal (U. S. Plant Patent No. 38). Long-pointed orange-copper buds, the flowers large, full, high-centered, with a rich fragrance. Brilliant pink lightened by salmon, with gilded base. Each, \$1.00; 3 for \$2.50.

Mary Hart (U. S. Plant Patent No. 8). A unique red sport from Talisman. The bud is maroon-red, opening to well-formed flowers of deep, velvety blood-red with an amber overflow. Does not wilt or dry when cut as much as most red roses, but opens perfectly in water. Each, \$1.00; 3 for \$2.50.

Texas Centennial (U. S. Plant Patent No. 162). A new variety aptly described as "Red Hoover," differing from the splendid President Hoover only in color. Blood-red, cerise center. Each, 85c; 3, \$2.25.

R. M. S. Queen Mary (U. S. Plant Patent No. 249.) Stock eastern grown. This gorgeous very new introduction has already won six gold medals and numerous other highest awards. Rosarians hail it as an outstanding achievement. A strong grower, with an abundance of delicately perfumed flowers; the color expression a glorious blend of rich salmon with pure pink, above an orange base. (Illustrated on color page C.) \$1.50 each; 3 for \$3.75.



Miss Rowena Thom
See page 61



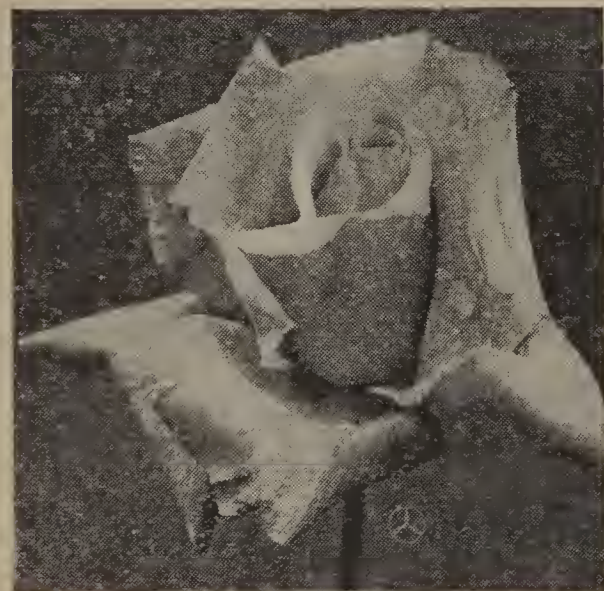
Briarcliff



Charles K. Douglas



The Lovely Edel



Betty Uprichard



Golden Dawn

70c EACH— 3 for \$1.90 6 for \$3.50 12 for \$6.50

Everblooming Roses

Hybrid Tea and Pernetiana Postpaid

Autumn Fine small ovoid buds, burnt orange; the opened flowers are medium sized, double, cupped, lasting, slightly fragrant; burnt orange streaked with red.

American Beauty. Cerise-red.

Betty Uprichard A charming type with rolling edges, a blend of deep-toned carmine with coppery orange; the interior being mostly a delicate salmon-pink.

Briarcliff. A bright, clear, Columbia-rose-pink. Vigorous, hardy; dark foliage resistant to mildew.

Caledonia A gracious pure white with extra long buds; full, high center, and great freedom.

Chas K. Douglas. Vigorous upright growth, and liberal bloom; flaming scarlet flushed velvety crimson.

Charles P. Kilham. Very double; blazing scarlet-orange.

Columbia. A beautiful, true, deep, enduring pink; a distinct shade.

Dame Edith Helen A magnificent, fragrant, full-bodied new Rose of many substantial petals which curl back prettily, holding steadily to one vivid pink color. (Illustrated on color page C.)

Duchesse of Luxembourg. A fine, compact rose of vigorous branching habit and freedom; amber-yellow rolling away from a fawn-pink heart.

Duchess of Wellington. Intense saffron-yellow stained crimson. Long buds.

Earl Haig. Remarkable fragrance, freedom, and unfading cherry-crimson color. Permanent high-built center, with thick rolling petalage.

Edel. The flowers are of noble size, deep, close-centered, with many petals; ivory at base but otherwise purest white, the broad roll of edges frost-like.

Edith Nellie Perkins Long-pointed buds. Oriental red shaded orange-cerise, the inside of petals a soft salmon-pink. (Illustrated on color page C.)

E. G. Hill Long buds, high-centered full double flowers; dazzling scarlet maturing to deeper pure red.

Eldorado. A true yellow even to the end, having diminished in strength uniformly, from the first richness of its red-orange bud.

Etoile de Hollande A vigorous healthy grower and free-bloomer, improving year by year (like Radiance). Flowers brilliant crimson-red. This is one of the most dependable and long-lived.

Etoile de France. Velvety garnet-red cup, with center of vivid cerise; imbricated flowers very large and full.

Feu Joseph Looymans Long-pointed buds of orange-buff, and large fairly double, free, fragrant flowers; yellow with apricot center.

General MacArthur. Dazzling crimson-scarlet, exquisitely perfumed.

Golden Dawn (New). A big, full, sturdy Australian variety. The buds straw-yellow; the perfect flowers sunflower aging to clear lemon-yellow. Very fragrant.

Grenoble Crimson buds opening to fiery scarlet; long cutting stems.

Gruss an Teplitz. Tall, showy bedder, with reddish stems, and unlimited long season bloom; intense velvety crimson.

Independence Day. Thin petalage and moderate size are amply compensated by extreme production, the bush being rarely without a good show of both brilliant orange-pink flowers and flaming copper buds.

Joanna Hill Buds are long-pointed, opening into large, semi-double, long-lasting flowers; clear yellow with orange-yellow heart.

John Russell. Vivid red with cardinal shadings; flowers large and solid. (Illustrated on color page C.)

Killarney. Bright carmine-pink, marbled in creamy white; the petals large and durable, the buds extremely long.

Lady Ashtown. Brilliant glossy pink; a favorite garden variety.

Los Angeles. Flowers large and continuous, in color a flame-pink, toned with coral and shaded with translucent gold at the base.

Marcia Stanhope Pure white; a long bud and full flower; an extra good white.

Margaret McGredy Rich oriental red passing to carmine-rose, lasting a long time. Large, free and spicy.



Souv. de Claudius Pernet



Mme. Butterfly



Mrs. E. P. Thom

McGredy's Ivory Soft delicate creamy white merging into a yellow base.

McGredy's Scarlet Full double flowers of large size and continuous bloom; brilliant scarlet-tipped crimson, the base orange-yellow.

Mevrouw G. A. Van Rossem

A choice new kind with vivid orange and apricot buds, opening to bronzy yellow flowers shaded copper-pink.

Miss Rowena Thom Its flowers are full bodied and 5 inches or more in diameter. Brilliant rose-pink, intensified by a golden suffusion at base.

Mme. Butterfly. A symphony of cream, pink, apricot, and gold. The buds are a rich Indian red, yellow at base.

Mme. Edouard Herriot. (Per.). A glorious commingling of terra cotta, bronze, geranium-red and dull copper; fine, long, pointed buds of coral-red and yellow.

Mme. Jules Bouche. Pure white slightly blushed at center. A fine bedder.

Mons. Julien Potin (Golden Pernet). A magnificent one-shade yellow—deep gold.

Mrs. Aaron Ward. Deep golden orange, shading to cream; the standard yellow, small-budded "corsage rose."

Mrs. Charles Bell. Soft shell-pink with a salmon background; long retaining its full globular shape.

Mrs. Erskine Pembroke Thom

A new, solid yellow built like Pernet; with continuous free bloom, a perfect center, clear lemon color which does not fade, and dark, bronzy foliage.

Mrs. Henry Bowles Intensely brilliant clear pink, pleasingly modified by lighter salmon-pink. The flower is perfect, with fine, firm center.

Mrs. Henry Morse. Bright pink with a silvery shading.

Mrs. Pierre S. du Pont Long pointed red-gold buds, opening to beautiful, semi-double, cup-shaped, long-lasting flowers of deep golden yellow.

Mrs. Sam McGredy A beautiful coppery scarlet-orange heavily flushed with red on the outside of petals. Flowers are large, delicately perfumed, and free.

Mrs. Wakefield Christie-Miller. Large, globular bloom, delicately blushed pearl with salmon shadings; the outside warmly suffused with rose. A favorite cut flower.

President Herbert Hoover

Unfolding its broad, thick petals unhurriedly from the beautiful pointed bud. Vivid cerise-pink, softly flamed with yellow, orange and scarlet; this combination most emphatic on the reverse.

Red Columbia Urn-shaped buds, and rolling petals as they open. Full-blown they still retain the Columbia compactness, with profuse, bulky bloom and vivid color, crimson-scarlet with a velvet surface.

Rev. F. Page-Roberts A fine, big, colorful rose, glorious in the cooler days of autumn. A full, shapely flower, golden yellow stained red; the copper-red buds extra long.

Roslyn. Orange buds; full golden yellow flowers, with deeper center.

Sensation. A delightful and very showy double variety; scarlet-crimson.

Souv. de Claudius Pernet

A decided and comparatively unfading sunflower-yellow even deeper toned at center. Its flower form is large and full with elongated petals.

Souv. de Georges Pernet. The color is a cheerful succession of reds—from orient to cochineal to carmine edge—made brilliant by a golden sheen.

Sunkist A recent yellow rose, and probably the best. Derived from Joanna Hill, its character and habit are equal to that superb variety in every respect. Its color is deeper and richer than older yellow varieties; an even, shiny orange-copper.

Talisman The most gorgeous assemblage of colors in one flower ever presented by a rose, exhibited mostly in well-defined angular blocks; gold, apricot-yellow, blood-orange, deep pink and old rose.

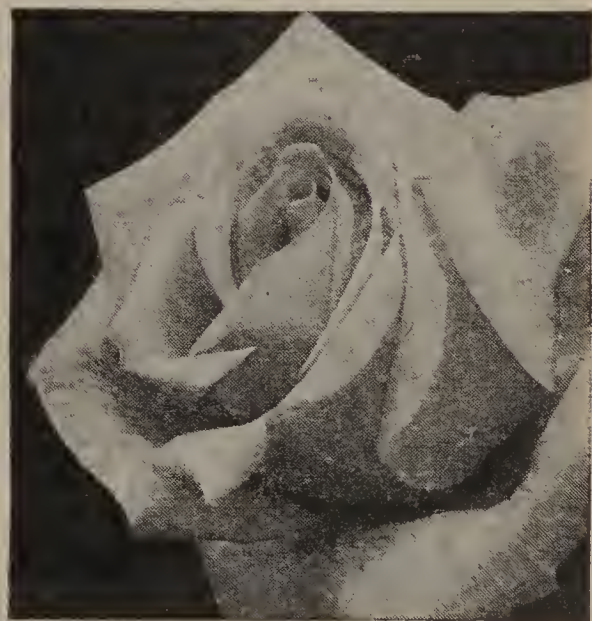
Ville de Paris. Sunflower-yellow which holds fast under all conditions.

White Killarney. A pure white duplicate of the charming pink Killarney. Noted for its buds, and freedom.

See the group of new patented Hybrid Teas, on page 59.



Talisman



Sunkist



White Killarney



Frau Karl Druschki

Hybrid Perpetual "JUNE ROSES"

Brilliant with perfumed flowers, larger than the Hybrid Tea class. On account of disparity in growth and blooming season, this larger type should not be included in the same rose bed with the Hybrid Teas. Cut back annually to about 8 inches.

Postpaid Prices

70c
Each

3 for \$1.90
6 for \$3.50

12 for \$6.50

Clio. Satiny blush-white, tinged rose-pink.

Frau Karl Druschki. Waxy paper-white; its bud, half opened state and maturity are exquisite. Of longer blooming season than the type, yielding its final bouquets under the first fall of snow.

Gen. Jacqueminot. Very free bloom, crimson-scarlet.

George Arends. Large, perfect; silvered pink.

Henry Nevard. Very fragrant and free-flowering; large well-formed flowers crimson-scarlet.

Jubilee. Pure red, shading to crimson and maroon.

Magna Charta. Early blooming; bright rose-pink.

Mrs. J. H. Laing. Soft, delicate pink, with satin cast.

Paul Neyron. Very large, perfect; bright ruddy pink. This variety is notable for long, thick stems without thorns, and normally produces its best flower crop in September. A delightful home-grown decorating item for late August and September weddings.

Soleil d'Or. Large, full flowers, gold and orange-yellow, varying to ruddy gold suffused and nasturtium-red.

Ulrich Brunner. Fine form and popular; cherry-red.

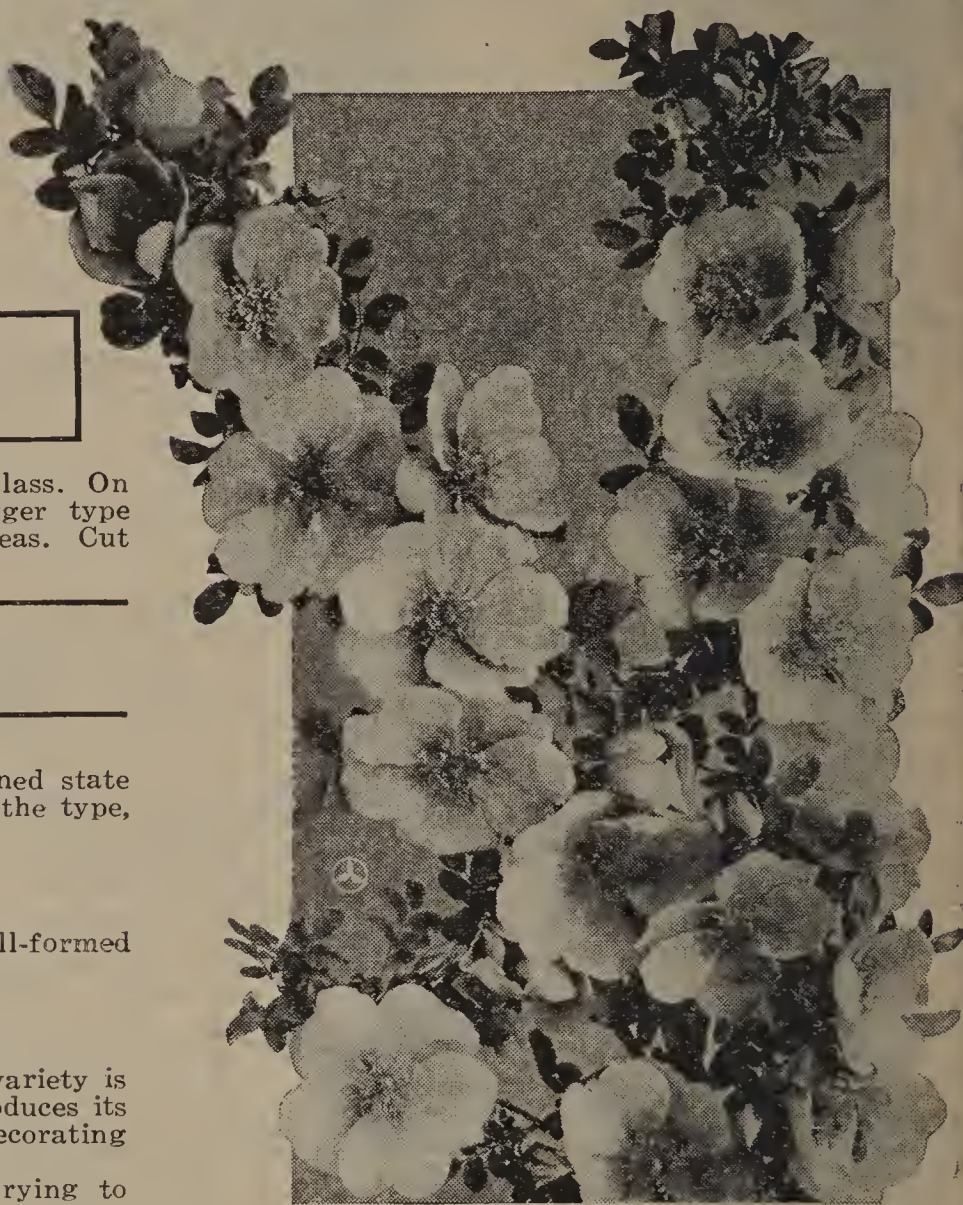


Paul Neyron (The Thornless Rose)

New Swiss Rock-Garden Rose Rosa Rouletti

This altogether charming little Alpine rose was once very popular in Switzerland. Having recently regained cultivation, it comes now to us a choice rockery and edging plant. Grows 6 to 7 inches high; dense, small foliage; $\frac{3}{4}$ inch double, rose-pink flowers continuous from early summer until frost.

From 2 $\frac{1}{4}$ -in. pots: 40c each; 3 for \$1.05; 6 for \$1.80.



Rosa Hugonis

THE "GOLDEN ROSE of CHINA"

Rosa Hugonis

A striking, unique, attractive shrub; at home in medium sections of the landscape groups, or conspicuously independent as solitary lawn clump. Last year's canes produce the crop of bloom, with clean, healthy foliage of the Briar type; but the new growth springing abundantly from the roots, is densely clothed in acacia-like leaves and bristles, all a reddish maroon. A matured bush may attain 6 feet in height, with corresponding spread. The sparkling buds begin to swell in April, so that early in May, Hugonis is a shimmering mound of gold. The flowers are single, flat to cup-shaped, with charming stamen tufts full length of the arching canes. Their color is bright and noticeable, ranging from deep gold to canary. 60c each; 3 for \$1.65; 6 for \$3.00; 12 for \$5.50, postpaid.

Learn About Roses

GET THIS
BOOK

HOW TO GROW ROSES

by Robert Pyle,
J. Horace
McFarland,
and G. A. Stevens.

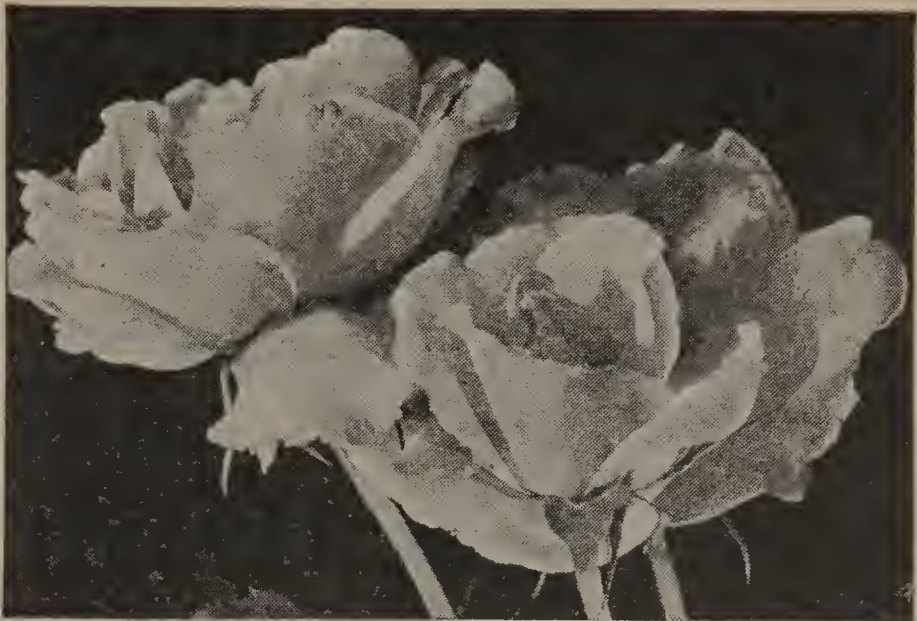


Every step in the successful growing of roses is made clear in this how-to-do-it book. There is much expert information also about selection, planning, planting, and care for them under all conditions; 211 pages, 138 pictures.

\$1.15



The Ideal Arch Rose—"American Pillar"



Mme. Gregoire Staechelin—"The Spanish Beauty"



The dependable Pink Climber—Dorothy Perkins

Hardy Climbing Roses
Including the "Ramblers" and "Creepers"

Prices Postpaid	Each	3	6	12
	60c	for \$1.65	for \$3.00	for \$5.50

Hardy climbing roses need only a foothold; the long trails will twine and cling to any little trellis assistance and spread charming clusters over yards of wall space, will hang in festoons along eaves of your porch roof. Until midsummer, stems and foliage are beautiful as vines; what they lack in this respect thereafter can be forgiven for the glory of the flowers they have borne.

American Pillar. The single flowers range from 2 to 3 inches in width, arranged in mammoth, evenly rounded clusters. Brilliant carmine-rose, with distinct creamy white sector and yellow stamens at center. A superb arch cover.

Blaze. See page 59 (illustrated). Special price.

Chaplin's Pink Climber Strong growing, with splendid trusses of 8 to 12 flowers. Size and shape of Paul's Scarlet. A lively carmine-pink.

Climbing American Beauty. Bulky, double, solitary flowers, extremely profuse; bright rose-red. Strong, quick growing, healthy.

Doctor W. Van Fleet. A mass of beautiful pink buds, which open out into large, shapely, solitary flowers with stems 12 to 18 inches long; delicate flesh-white. Season, 3 weeks.

Dorothy Perkins. The ideal pink Rambler; flowers densely quilled and numerous; a beautiful shell-pink.

Doubloons. See page 59. (Special prices.)

Eugene Jacquet. Fragrant, cherry-red flowers borne profusely in very large clusters.

Excelsa (Red Dorothy Perkins). Radiant, blood-red clusters.

Gardenia. The tight, very numerous little yellow buds are beautiful in early summer, the flowers opening up creamy white, jasmine scented. A choice ground cover.

Jacotte Quite distinct in this class; not only fragrant, but is rich in heretofore unknown color shades. The bud is orange-yellow; the 2½-inch flower (clustered up to 10), is light salmon-orange shaded red and yellow. Foliage is very dark green and extra healthy.

Marie Gouchalt. Clear geranium-pink; the clustered form, size, and habit identical with Dorothy Perkins.

Max Graf Although suitable for general pillar and lattice utility, this new variety shines among its fellows as a ground cover. Lustrous rugosa foliage (late lasting and undamaged by pests). Spangled with large, prettily ruffled flowers of bright pink. Fine for steep banks and to trail over stone walls.

Mme. Gregoire Staechelin A new Spanish introduction, its flowers solitary, of good size and abundance, with moderate fragrance. Crimson at tip of the long bud, which trails through the unfolding curly petals as carmine on a body color of iridescent pearl-pink. Growth vigorous and branching, up to 12 feet; foliage large and disease-resistant.

Primrose. A new yellow climber—unfading light primrose-yellow, small clusters of 2½-inch flowers; midseason, long-lasting, free; healthy dark glossy foliage.

Silver Moon. Four- and five-inch, semi-double flowers; pure white with thick clusters of yellow stamens.

Tausendschon. Its innumerable flower clusters make a pretty show; at first soft pink and white, later deepening to carmine-rose.

White Dorothy Perkins. Pure white, compact clusters.

Wichuraiana (Memorial Rose). Especially valuable for cemetery planting, the growth prostrate, ground-clinging; the foliage small, dense and shining. Pure white, single flowers in July.



Climbing American Beauty



Rosa Rugosa Rubra

RUGOSA ROSES

A valuable perfectly hardy type much used in landscape work, agreeable to location in partial shade; the heavy wood and shrubby formation adapting it to hedges and hardy borders, or to mixed shrubbery groups. The foliage is lustrous, dark green, usually corrugated, and is impervious to attacks of insect pests.

Postpaid Prices	Each	3 for	6 for	12 for
	60c	\$1.65	\$3.00	\$5.50

Rosa Rugosa Rubra. Flowers deep rose, single or semi-double; followed by showy, very large orange-scarlet fruits. Dwarfier growing than its hybrids. This comparatively dwarf bush, with its companion the white-flowered variety, is a showy and excellent subject to pocket into an extensive steep hillside, mingled with Snowberry, Coralberry, Desmodium, the trailing Honeysuckles, Matrimony Vine and Forsythia.

Rosa Rugosa Alba. Broad, single white flowers.
Both: Special offer, by express collect, 25 for \$8.75.

Rugosa Hybrids

Amelie Gravereaux Medium, double, fragrant flowers in small groups all summer; dark purplish red.



F. J. Grootendorst

Conrad Ferdinand

Meyer Double; delicate silver-pink. These are dainty cup-shaped flowers of large size and great beauty, the foliage particularly pleasing.

F. J. Grootendorst

Typical foliage and habit of compactly bushing, moderate growth; blooms in clusters of oversized, fairly double red flowers resembling the Crimson Baby Rambler. Because it is compact, does well in partial shade and blooms a long time, it is much used in foundation groups.

Pink Grootendorst Character like above, but the color is light shell-pink.

Native and Shrub Roses

Pretty single flowers, and large, bright-colored berries which cling far into the winter. They are largely utilized for planting among shrubs and to cover waste ground and fences.

Postpaid Prices	Each	3 for	6 for	12 for
	50c	\$1.35	\$2.40	\$4.50

Blanda. (Meadow Rose). To 6 feet. Slender, reddish purple branches, almost thornless, with pale green, oval foliage. Bright rose, May-flowers.

Carolina. (Swamp Rose). Hardy in either wet or dry soil. Shrubby growth, pretty pink flowers.

Humilis (Pasture Rose). Ground cover; pink.

Lucida. The familiar red fruited "Wild Rose."

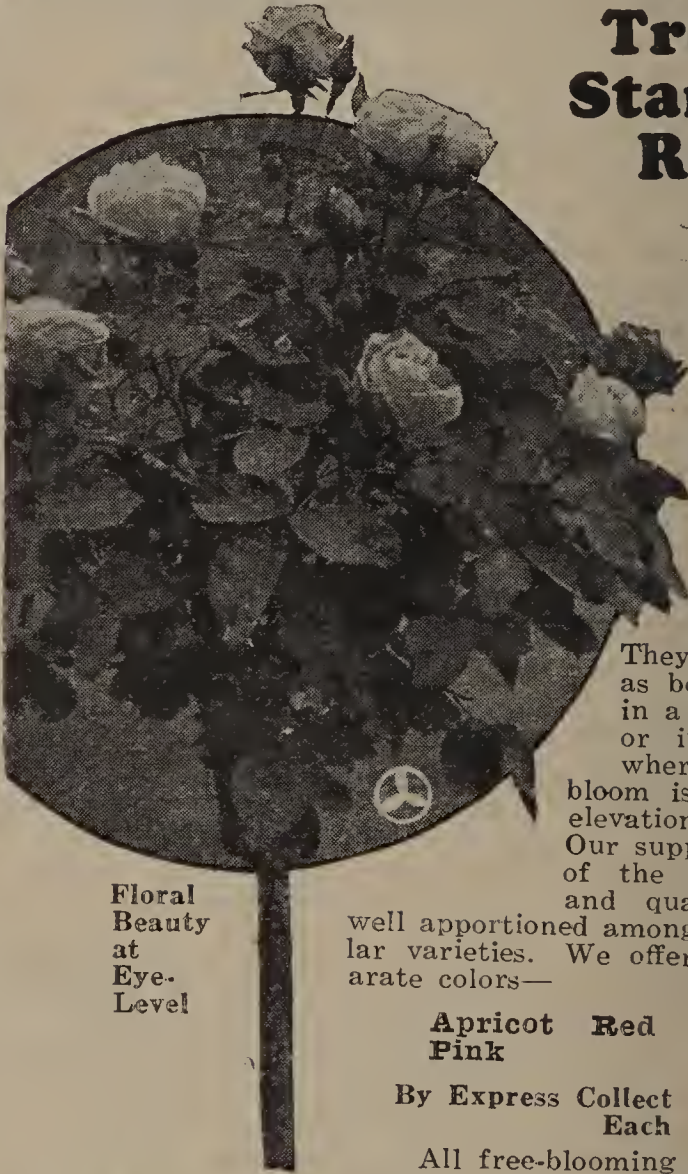
Multiflora Japonica (Japanese Rose). A thrifty, rounded bush freely covered with clustered, small, very double flowers: intermingled petals of shell-pink and white.

Nitida. A pretty dwarf rose; deep pink.

Rubrifolia (Redleaf Rose). An attractive, shrubby bush type furnishing valuable foliage display of dark bronzed red leaves. When in bloom, it is brightly spangled with a profusion of small single rose-pink flowers.

Setigera (Prairie Rose). Useful for massing in picturesque hillside brambles; as borders to wildwood drives; as filling for dead corners; and with equal harmony, as a congenial mixer with shrubs and in single specimens. Setigera is a good fence and trellis climber, or occasional clipping will make a satisfactory bush. Large single flowers of rose-pink.

Tree or Standard Roses



We presume most of our patrons understand that Tree Roses consist of a single upright stem top-grafted to some reliable variety. This reveals all the foliage and all the bloom in a rounded clump at the top of a 3 1/2-foot stem.

They are very useful as borders to walks in a formal garden, or in any location where the show of bloom is desired at an elevation of about 5 feet. Our supply this year is of the best character and quality in years, well apportioned among distinct popular varieties. We offer them in separate colors—

Floral Beauty at Eye-Level

Apricot Red Yellow Pink

By Express Collect Each \$3.00

All free-blooming varieties.

FOR YOUR Comfort and Convenience IN CARING FOR ROSES

Pruning must be done to your rose-bushes every year.

Protect Your Hands against rose-thorns and bruising, with

Use the Clipper Pruner

Eezywear Gloves

(Efficient hand shears) PRICE: postpaid, \$1.00

(Tough flexible leather) PRICE: postpaid, 75c

ORNAMENTAL HARDY DECIDUOUS SHRUBS

Sent by Express or Freight, charges collect, 6 at 12 rate; 25 at 100 rate; 250 at 1000 rate, if listed.

BARBERRY {Berberis}

JAPAN BARBERRY (Thunbergi). The ideal low hedge plant—hardy, tough, impervious; of dense growth; adapted to shearing. Daintily small and profuse foliage, beautiful alike in summer greens and autumnal crimson. The plentiful racemes of red fruit are resplendent on winter-bared branches. It is customary to set the plants about 12 to 15 inches apart for a tight hedge, but 2 feet is close enough where individual expression is desired.

	12	100	1000
12 to 15 in.	\$2.10	\$15.00	\$125.00
15 to 18 in.	2.65	18.00	160.00
18 to 24 in.	3.50	24.00	220.00

RED LEAF BARBERRY (Atropurpurea). A brilliant accent shrub as solitary specimen or in a close group amidst duller foliage. An exact reproduction of Thunbergi in every respect except color; this variety starting off in its first foliage a warm bronzy red; the heat of summer intensifying its red brilliancy; autumn adding other tints to its richness. The abundant scarlet berries persist throughout winter along the dense network of spiny twigs. A sunny exposure is necessary for color.

	Each	12	100
12 to 15 in.	\$0.40	\$4.00	\$27.50
15 to 18 in. ....	.50	5.00	35.00
18 to 24 in. ....	.70	7.00	50.00

2 New Barberries

“Column Barberrry” Truehedge
U. S. P. Patent No. 110. The new “Ready Made Hedge.” Upright in form, of uniform density, foliated to the ground. No pruning needed to keep a formal face and height. Set plants 9 inches apart and have a perfect low thin hedge overnight. (See the example in color inside back cover.)

	Each	5	25
9 to 12 in....	\$0.30	\$1.25	\$ 5.00
12 to 15 in....	.35	1.45	6.00
15 to 18 in....	.45	1.75	7.50

“Evergreen Barberrry” Mentorensis
U. S. P. Patent No. 99. Compact, vigorous growth, with lustrous dark green leaves. These remain practically all winter, purplish bronze against the snow on frozen ground. Very desirable.

	3	12	100
12 to 15 in....	\$1.40	\$4.00	\$25.00
15 to 18 in....	1.50	4.50	30.00
18 to 24 in....	2.00	6.00	40.00

BUDDLEIA “BUTTERFLY BUSH” Also “Summer Lilac”

Of quick bushy growth; when the lovely bloom-spikes appear in July, the shrub, which may have died down nearly to the ground during a severe winter, is now a perfect, well-branched specimen of about 5 feet; radiating a delightful perfume and glowing with tints and shape of the lilacs.

Hartwegi This new variety has proved its superior hardiness; is a thrifty, compact bush with extra heavy, dark green foliage. Its value as a cut-flower type is outstanding. The bright lavender flowers are densely set on the panicles which open complete from the tip downwards. Very free.
2-yr., 50c each; 3 for \$1.35; 12 for \$4.50.

Ile de France A sensational new variety, of uniform moderate growth, and extreme brilliance of color in the bloom. Thick flower spikes 6 to 9 inches long, sweetly fragrant; rosy purple with a deep violet suffusion. 2-yr., 50c each; 3 for \$1.35; 12 for \$4.50.

MAGNIFICA. This variety now represents a type, and is the hardiest for all sections. Flower spikes 10 inches in length by 3 inches in diameter are not unusual. Color deep violet-rose or lavender, with a pronounced orange center; the margins of petals neatly reflexed.
2-yr., 35c each; 3 for \$1.00; 12 for \$3.50.



The Conspicuous Red-Leaf Barberrry



Buddleia Hartwegi

ALMOND. Early spring-flowering shrubs, in full bloom before leaves appear, with beautiful, double rose or white flowers, snuggling tight to the twigs. Double Pink.
1½ to 2 feet, 65c. 2 to 3 feet, 80c.

ARALIA, Pentaphylla (Five-Leaved). Long, slender, gracefully arching branches; a rich, shiny, dark green. Unique among shrubs, in that it does not change color; thus adding another striking color to autumn foliage. The compound leaves are made up of 5 to 7 distinct leaflets, like spread fingers on a hand. Tinted white flowers in long umbels. Valuable for medium to tall hedges as well as individual specimens.

	Each	3
1½ to 2 feet	\$0.50	\$1.35
2 to 3 feet .....	.65	1.75

ALTHEA (Rose of Sharon). Bloom late in August and September, with a profusion of large and brightly colored flowers much like the tender Hibiscus in form. Set 30 to 36 inches apart, Altheas make quite attractive tall hedges.

—**Double Rose, Double White, Double Purple, and Double Red.**

All Bush Form—	Each	3	6
1½ to 2 ft.	\$0.40	\$1.10	\$2.00
2 to 3 ft. ....	.50	1.35	2.50
3 to 4 ft. ....	.70	1.90	3.50

—**Variegated Leaved.** This is one of the handsomest variegated leaved shrubs that grows. The Althea foliage is always attractive, but nothing else can equal its charm when broadly blotched and banded with cream and silver; the flat, red flower-buds conspicuous. 1½ to 2 feet, 50c each. 2 to 3 feet, 60c; 3 for \$1.65. 3 to 4 feet, 75c each; 3 for \$2.00.

ARONIA arbutifolia (Red Chokeberry). Upright to 6 feet; very pretty in April and May with an abundance of white flowers; its fall foliage and fruits a bright red, carrying well into winter. Useful in damp locations.

	Each	3
1½ to 2 ft.	\$0.50	\$1.35
2 to 3 ft. ....	.70	1.90

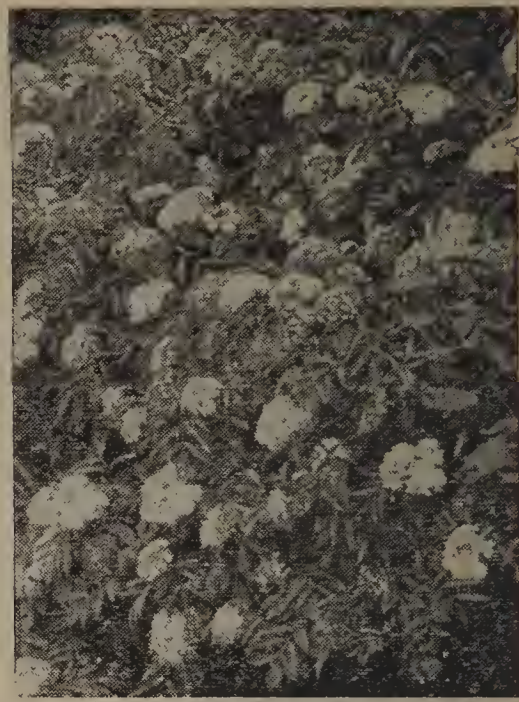
AZALEA mollis. See Evergreen shrubs, page 74.



Cornus Elegantissima



Cornus Sibirica, Coral Dogwood



Golden Elder

CALLICARPA Purpurea (Beauty Berry). A pretty shrub from 1 to 4 feet, more at home south of the Ohio, but practical in the North if given a sheltered position and winter protection. It blooms profusely during August with small axillary clusters of pink flowers, these followed by berry-bunches colored a light violet. If top should freeze, young shoots will come up and flower and fruit the next season. 1½ to 2 feet—50c each; 3 for \$1.35.

CALYCANTHUS (Carolina Allspice). A unique shrub growing upright to 6 feet, clothing its straight, strong reddish brown shoots with large glossy leaves, from the axils of which spring odd, double, spicily fragrant flowers of chocolate-red. 1½ to 2 feet—40c each; 3 for \$1.10.

CLETHRA Alnifolia (Sweet Pepper Bush). A handsome dwarf shrub, delightfully fragrant in August and September when covered with long showy wands of creamy white flowers. 1½ to 2 feet—60c each; 3 for \$1.65.

CYDONIA Japonica (Japan Quince). Scarlet flowers early in spring followed by small, quince-shaped fruits which are quite fragrant. The foliage is dark and shiny; growth bushy and dense; for medium filling, or pruned foreground. 1½ to 2 feet—45c each; 3 for \$1.25. 2 to 3 feet—60c each; 3 for \$1.65.

DESMODIUM Penduliflorum (Purple Bush Clover). Half-shrub, the long canes of each season's growth usually winter-killed. These stools become stronger, throwing up more shoots and forming a thick shrub 2 to 5 feet high, in showy late summer bloom. Arched branches, with long, close, drooping racemes of liquid purple-magenta pea-like flowers. 2-year, 50c each; 3 for \$1.35.

EUONYMUS Alatus (Winged Burning Bush). A tall shrub, with corky winged branches; a fine shrub for solitary plantings, as well as for massing, the rich red and crimson of its leaves being very showy in autumn. It is popular as well, for the tender freshness of its spring leaves, which even then give promise of color and beauty yet to come. 1½ to 2 feet—50c; 3 for \$1.35. 2 to 3 feet—70c; 3 for \$1.90.



Deutzia Magnificata



Pride of Rochester

EXOCHORDA Grandiflora (Pearl Bush). It grows vigorously; and can be trimmed to any desirable shape. The early buds look like pearls strung on slender threads, May opening them up to long, gleaming sprays of pure white. 2 to 3 feet—45c each; 3 for \$1.25. 3 to 4 feet—60c each; 3 for \$1.65.

GOLDEN ELDER (Sambucus Aurea). Big broad leaves as yellow as gold, making conspicuous punctuation among the dark-leaved tall shrubs. 1½ to 2 feet—45c; 3 for \$1.25. 2 to 3 feet—60c each; 3 for \$1.65.

CORNUS (Bush Dogwood)

The shrubby Dogwoods are mainly valuable for the brilliancy of their bark and berries, and variegated foliage. All varieties do well in shade. Much used for an expanse of green foliage, the fall fruits calling a welcome assemblage of birds; and the tangled mass of highly colored twigs enlivening the prevailing somberness of shrubbery in winter.

Elegantissima Variegata. Purplish red branches and beautiful silver-variegated foliage. This is one of the choicest variegated-leaved shrubs, capable of refined compact shape by pruning, of value both summer and winter. 1½ to 2 feet—65c each; 3 for \$1.80. 2 to 3 feet—80c each; 3 for \$2.20.

Paniculata (Gray Dogwood). Unusually compact; showing a profusion of good sized white flowers in June. Berries white, on noticeably red stems. Bark and under side of leaves gray. 1½ to 2 feet—60c each; 3 for \$1.65. 2 to 3 feet—70c each; 3 for \$1.90.

Sibirica (Coral Dogwood). A useful "filling" shrub, with clusters of fine white flowers; white berries; stem and branches turning to blood-red in winter. 1½ to 2 ft., 45c each; 3, \$1.25. 2 to 3 ft., 60c each; 3, \$1.65. 3 to 4 ft.—75c each; 3 for \$2.00.

Spaethi Aurea. Leaves broadly margined yellow. Of branchy spreading habit. 1½ to 2 feet—65c each; 3 for \$1.80. 2 to 3 feet—80c each; 3 for \$2.20.

DEUTZIAS

Shrubs which vary considerably in height and habit, but bloom alike in dainty bell or tassel-shaped flowers, borne thickly in wreaths along their branches in June.

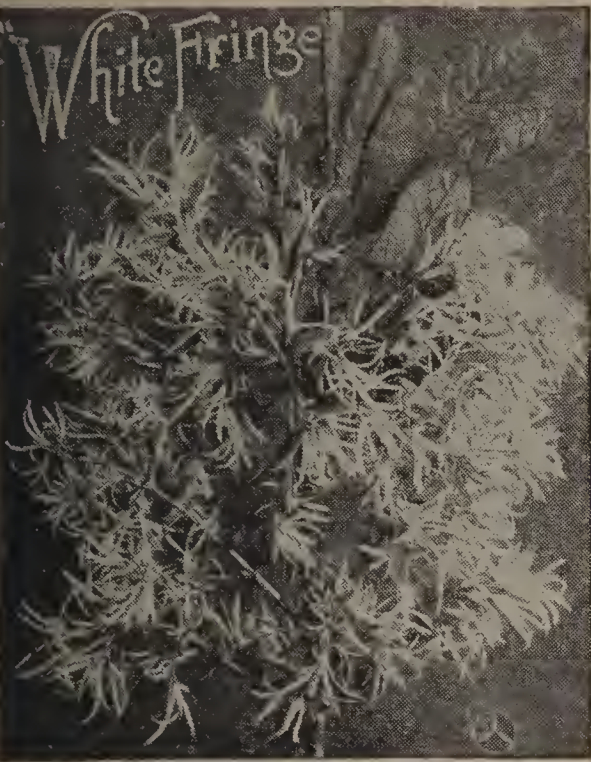
Gracilis (Slender Branched). Dwarf growing, dense, bushy, its drooping branches wreathed with pure white flowers in May. This is the best type for edging, growing not much over 2 feet high. 12 to 15 in., 35c each; 3 for \$1.00; 6 for \$1.75; 25 for \$6.00.

Lemoinei. Large flowers of pure white, borne in cone-shaped heads. The next step-up from Gracilis, in height. Both do well in shade. 18 to 24 inches—45c each; 3 for \$1.25. 24 to 30 inches—60c each; 3 for \$1.65.

Magnificata. This is one of the handsomest and most conspicuous of all Deutzias. It grows tall and bushy like Crenata, with the largest florets, fullest trusses and most double petalage to be found in the family.

Pride of Rochester. The best known variety, blooming in May before the others. Flowers large and free, double, white. A little past medium height, but compact grower.

Two above: 2 to 3 feet—40c each; 3 for \$1.10.
3 to 4 feet—50c each; 3 for \$1.35.



Chionanthus Virginia

FORSYTHIA GOLDEN BELL

Tall and spreading; lighting up the garden with glinting masses of yellow, very early in spring before the leaves appear. The upright forms make excellent tall hedges, and are bright-hued fillers for massed shrub groups.

PRICE		Each		3
	2 to 3 ft.....	\$0.45	\$1.25	
	3 to 4 ft.....	.60	1.65	

Fortunei. Showy golden bloom; of upright growth, and tallest of the group.

Intermedia. Bushy, with arching canes; earliest to bloom.

Spectabilis. Broad, heavy flowers. It is midway in bush character between the upright Fortunei and slender, drooping poise of Suspensa.

Suspensa. Very long, slender, incurving branches, adapted to arches and trellises, as well as foreground filling.

FRINGE

Purple (Smoke Bush; Rhus cotinus). A conspicuous spreading shrub or small tree with large round leaves; overhung in midsummer by mistlike clouds of tiny flowers. These billowing panicles are a light lavender when fresh, very persistent, and give the impression of smoke at a distance. Old trees are apt to become twisted and gnarly, a condition which adds to its picturesque charm. 1½ to 2 ft., 90c. 2 to 3 ft., \$1.25.

White (Chionanthus virginica). A very showy shrub, growing to large size; with large leathery, shiny leaves, and lacelike white flowers borne in gracefully drooping panicles. Although tree-like in character, the branches and heavy foliage are usually well furnished close to the ground. 1½ to 2 ft., 60c. 2 to 3 ft., 75c.

ILEX

Verticillata (Winterberry). Small June flowers and darkly lustrous foliage, with sparkling masses of crimson fruits in October, which last far into winter. This variety must not be confused with certain other Ilex which are broad-leaved evergreens. The leaves drop off for winter, revealing rather dense, slender stems, rather black. 1½ to 2 feet, 75c each. 2 to 3 feet, \$1.00.



Hydrangea "Hills of Snow"

HYDRANGEA

Arborescens Grandiflora ("Hills of Snow"). The flowers are similar to the familiar "Snowball"; pure white drying to bronze, remaining on the bush. July to September. The leaves are rounded.

Paniculata Grandiflora. Large beds, or units used as punctuation points, and kept at a uniform development, are extremely showy; first snowy white, then pink, then reddish bronze and green. August till autumn. This and A.G. should be cut back to the crown each year.

Both:	Each		3	6
1½ to 2 feet.....	\$0.60	\$1.70	\$3.30	
2 to 3 feet.....	.75	2.15	4.20	

HONEYSUCKLES

BUSH LONICERA—TALL (Vines, P. 73)

Starry flowers followed by bright berries that last through the fall. Make bulky screening hedges, groups or specimens.

Blue Leaf (L. Korolkowi). Small, narrow, bluish green leaves on arching stems. The flowers are a light coral-pink followed by red fruits. 1½ to 2 ft.—60c; 3 for \$1.65. 2 to 3 ft.—75c; 3 for \$2.00.

Goldflame (L. C). Illustrated on color page new honeysuckle of diversified usefulness. A vine; yet it can be pruned to become a sturdy, rounded specimen bush; or planted in a row, and sheared, it assumes the character of a uniform, everblooming hedge. Allowed its own will, Goldflame will climb a trellis or follow the ground as coverage. The flowers are large, in clusters, with flame-coral trumpets lined with gold. Fragrant after nightfall; blooming the same year planted. Imagine this glory of color against ample dark blue foliage. May till frost. 2-yr., field grown: 75c each; 3 for \$2.00.

Four following varieties:				
	Each		3	
2 to 3 ft.....	\$0.50	1.35		
3 to 4 ft. ....	.65	1.75		

Japanese (Lonicera Morrowi). A rounded, spreading variety; blooms early in spring with creamy white flowers; later brilliant with a vast expanse of crimson fruit.



Hydrangea P. G.



Purple Fringe

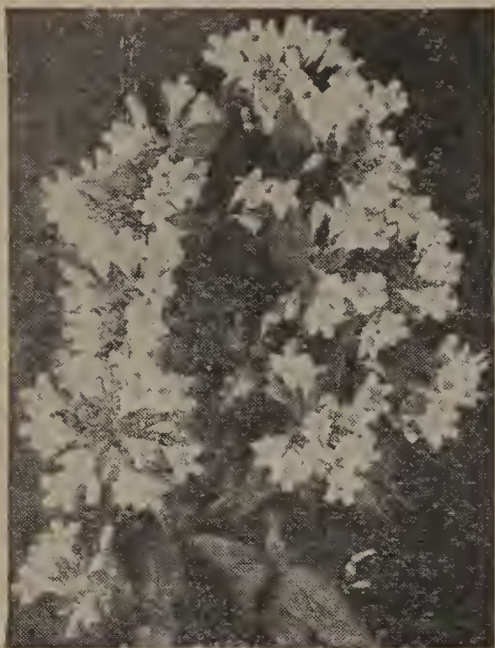
Pink Tatarian. Largest rose-pink flowers in abundance, and fresh green, rounded foliage; the most noticeable.

Red Tatarian. Light crimson flowers in early summer; abundant red fruits.

Winter (Lonicera fragrantissima). Early pink and white fragrant flowers; lustrous oval foliage retained all winter if somewhat sheltered.



Pink Tatarian Honeysuckle



Flowers of Beauty Bush



Lilac—Persian Purple

KOLKWITZIA
"BEAUTY BUSH"

Amabilis. A charming new shrub, with attractive leaves and gracefully arching branches. The beautiful flowers appear in great profusion during June, in pairs which cluster closely into cymes of about twenty-five; bell-shaped and somewhat lipped, pale pink with orange veins in the throat.

	Each	3	6
1½ to 2 feet	\$0.70	\$1.90	\$3.50
2 to 3 feet	\$1.00	\$2.75	\$5.00
3 to 4 feet	\$1.25	\$3.35	\$6.25

LILAC [Syringa]

Vulgaris Purple. Most suitable for tall hedges and in shade. Beautiful foliage, typical lilac-purple flowers.

	Each	6	25
2 to 3 feet	\$0.50	\$2.50	\$ 8.75
3 to 4 feet .....	.60	3.00	11.00

Vulgaris White. Tall, slender, the sleek flower panicles pure white, delightfully fragrant. 1½ to 2 ft. — 50c each; 2 to 3 ft. — 65c each.

Persian Purple. Medium growing with slender branches and narrow leaves. The extremely free bloom matures bright pink. 2 to 3 ft.—70c each; 3 for \$1.90.

French Named Lilacs

Perfect flower types, in form, color and size. From forty named varieties, supply is so limited we can list only to color. Light shades, white, and dark shades. 1½ to 2 ft., \$1.00. 2 to 3 ft., \$1.25.

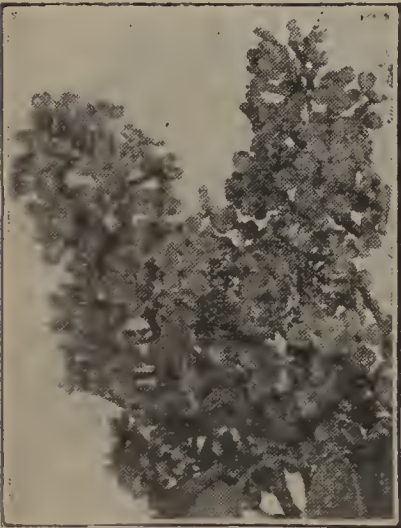
OFFER

— 2 foot —

3 Assorted Colors \$3.00

PHILADELPHUS
(MOCK ORANGE)

One of the best shrubs, the taller growing sorts largely used for hedges. The flowers are very profuse, similar to strawberry blossoms but larger, white with usual creamy tinge and prominent yellow stamens; mostly fragrant.



Dark Shades — FRENCH LILACS — Light Shades

PHILADELPHUS:

Aureus (Golden Syringa). The best medium height golden-leaved shrub. 12 to 15 in.—50c each.

Bouquet Blanc. Close set bunches of double flowers; each branch a veritable bouquet; one of the best types for medium height hedges, corresponding in effect with the well-known utility of Spirea Van Houtte.

	Each	6	25
1½ to 2 ft.	\$0.50	\$2.50	\$ 8.75
2 to 3 ft. ....	.65	3.50	12.00

Coronarius. Blooms in May, in graceful sprays, slightly scented. Largely used for backgrounds and hedges requiring screening height. 2 to 3 feet—40c each; 3 for \$1.10. 3 to 4 feet—55c each; 3 for \$1.50.

Norma The single flowers are of great individual size, strung freely along full length of upright stems; white with pale gold stamens. This is the most slender of the group, corresponding in effect to the Flowering Cherry Amalgawa among the trees.

Ophelia Very fragrant, crinkly, mostly double flowers; flesh-white with white gold stamens. Medium.

	Each	3
2 to 3 feet	\$0.60	\$1.65

Virginal The bush grows moderately tall, with good foliage and compact habit. The flowers are the largest, handsomest, most sweetly fragrant, and with longest blooming season, of any known variety. You will now find it occupying more corners in front of porches and house foundations than any other shrub; its character, persistent bloom and exquisite scent adapting it to that purpose.

	Each	6	25
1½ to 2 feet	\$0.50	\$2.50	\$ 8.75
2 to 3 feet .....	.65	3.25	12.00
3 to 4 feet .....	.80	4.00	14.00



Philadelphus, Virginal



Buckthorn Hedge—Rhamnus Cathartica

PRIVET (Ligustrum)

Privets are our best hedge plants, and make richly green foliage backgrounds against foundation walls. Almost ever-green, of dense compact habit; useful in shaded places. To plant a single row, set them 6, 8 or 12 inches apart; for a double row, about 18 inches apart each way and alternately.

PRICES:	12	100	1000
California—			
12 to 18 inches	\$0.85	\$ 4.00	\$32.50
1½ to 2 feet	1.00	6.00	45.00
Amurensen—			
12 to 18 inches	1.20	7.00	55.00
1½ to 2 feet	1.60	10.00	80.00
2 to 3 feet	2.00	14.00	110.00
Ibodium			
12 to 18 inches	1.30	8.00	
1½ to 2 feet	1.50	12.00	
Ibota (Japanese)—			
12 to 18 inches	2.00	14.00	
1½ to 2 feet	2.40	17.00	
2 to 3 feet	3.00	22.00	
Regelianum—	Each	3	12
12 to 18 inches	\$0.30	\$0.85	\$3.00
18 to 24 inches .....	.40	1.10	4.00
Golden Variegated—			
12 to 18 inches .....	.30	.85	3.00
18 to 24 inches .....	.40	1.10	4.00

Amoor River (L. amurensen). A hardy type, vigorously upright and tall growing.

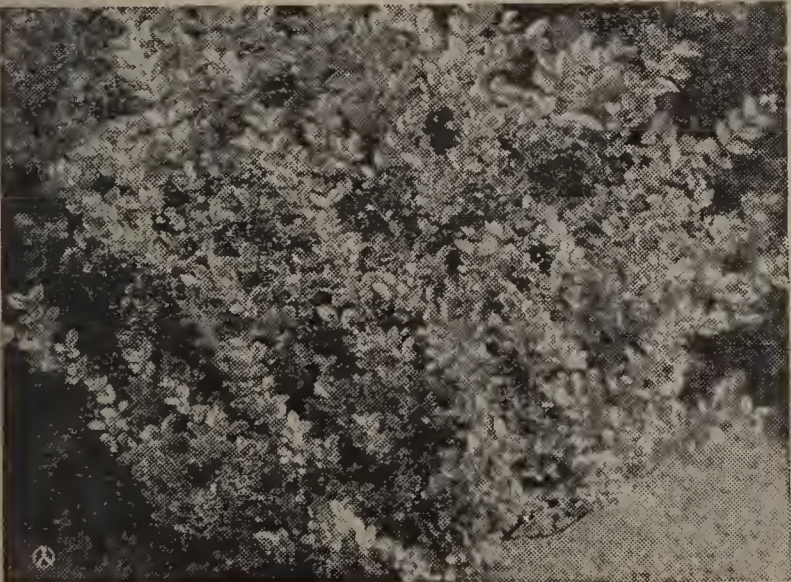
California (L. ovalifolium). Quick growing, straight, densely clothed shoots.

Ibodium. A hybrid of Ibota and Ovalifolium, with lustrous foliage; remarkably sturdy and cold-resistant. Replaces Ovalifolium in general use throughout the middle west.

Japanese (L. ibota). Makes up into striking tall clumps, or informal screening hedges, with widespread curving branches; very vigorous and hardy; grayish green.

Regel's (L. Regelianum). A strong, very hardy type, with dark and shiny leaves. The numerous branches are stiff, twiggy and horizontally spreading, gracefully drooping at the ends. Makes a naturally wide, dense bush particularly adaptable to foundation plantings.

Golden Variegated. Similar to California, but creamy white and yellow over two-thirds of the leaf. May be used to advantage in landscaping, as a bright variegation.



Golden Variegated Privet.



Prunus Triloba—Double-Flowered Plum

PRUNUS (Flowering Plum)

Cistena (Purple Leaf Sandcherry). Dwarfier than the other purple plum varieties, more compact, with glossier leaves and much more red in its purple color. 2 to 3 feet, 75c. 3 to 4 feet, \$1.00.

Newport. A new purple-leaved plum of greater refinement and slower growth, the leaves smoother and more richly colored; at first strongly reddened, maturing to a still red tinge in the deep bronze-purple of late summer. Flowers rosy white, ornamental fruits magenta-red. 3 to 4 ft., \$1.00.

Triloba (Double Flowered Plum). Very early in spring, before its leaves appear, the small tree is decked in a fleecy cloud of very double light pink blossoms. 1½ to 2 feet, 75c each; 3 for \$2.10.

RHUS Aromatica (Fragrant Sumac). Grows 2 to 4 feet tall; flowers yellow, in clusters along the stems, followed by red berries in June. Leaves color to brilliant scarlet. 1½ to 2 feet, 75c each; 3 for \$2.10.

RHAMNUS Cathartica (Buckthorn). A dense twiggy bush for backgrounds, with dark foliage relieved by masses of midsummer white flowers followed by red to black berries. Buckthorn is most commonly used, however, as a medium height, pruned, both ornamental and protective hedge. 2 to 3 feet, 50c; 6 for \$2.50; 25 for \$9.00.

RHODOTYPOS kerrioides (White Kerria). An attractive shrub 3 to 6 feet high, with beautiful yellowish green corrugated foliage and large, single white flowers late in May, black seeds following. A good shrub for semi-shade. 1½ to 2 feet—40c each; 3 for \$1.10. 2 to 3 feet—50c each; 3 for \$1.35.

SNOWBERRY (Symphoricarpos)

Valuable shrubs, 3 to 5 feet, highly valued for use in densely shaded situations and for the striking beauty of their leaves and bright, persistent fruits. (Illustrated inside back cover).

Snowberry (S. Racemosus). Inconspicuous, rose-colored flowers in June and July, followed by large, round, clustered, milk-white fruits which remain far into winter. The leaves are oval and glaucous green.

Coralberry (S. Chenaulti). Also called "Red Snowberry," and "Indian Currant." Similar to Snowberry except that its long, slender fruits are bright coral-red, clustering in thick ropes along the weighted-down stems; also, the smaller leaves are dark.

Both Kinds:	Each	6	25
1½ to 2 feet	\$0.35	\$1.80	\$6.25
2 to 3 feet .....	.45	2.25	8.00

SORBARIA

Handsome soft-wooded shrubs of quick development; partial to rich, moist soil and moderate shade. In dryer soil not heavily fertilized, they make fine subjects for foundation screens or medium height backgrounds.

Sorbifolia (False Spirea). Upright, with many arching branches and fresh green leaves like the mountain ash. Profuse bloom, June-July, in feathery panicles, pure white. 2 to 3 feet, 60c each; 3, \$1.65.



Spirea Anthony Waterer



Van Houtte Spirea
Winter hardy in the coldest American temperatures.

SPIREA

The most varied in form, growth, character and bloom of any shrub family, no two kinds alike.

DWARF FORMS—Up to 3 Feet.

Anthony Waterer. Beautiful dark small foliage; dense rounded growth; and large, brilliant rosy crimson corymbs, at its best in midsummer. More of this variety is used for foundation plantings and low borders, than any other dwarf shrubs. Plant about 2 feet apart.

	Each	6	25
12 to 15 inches	\$0.35	\$1.75	\$6.00
15 to 18 inches .....	.45	2.25	7.50
Callosa alba. Large, flat clusters of white flowers, nearly all summer. Growth and foliage similar to Anthony Waterer.			
15 to 18 inches—45c each; 6 for \$2.25.			

Froebeli. Similar to A. Waterer, but a trifle taller, fuller, and more expansive, with broader and darker summer leaves. These are a beautiful salmony bronzed in spring, and again in the fall. Reddish pink flowers in dense corymbs during June and July.

TALLER SORTS—4 Feet and Up.

Billiardi. Numerous dense upright terminal panicles of rich, lilac-pink, fuzzy flowers from July on.

Opulifolia. Growth upright, attaining up to 8 feet, although the white heavy flower umbels in June make the branches droop; old flower heads turn to dark red, and make a striking variety of colors at different stages of maturity.

Opulifolia Aurea. (Golden Spirea). Of similar habit to above, with young foliage of bright yellow changing to golden bronze in the fall. The contrasting red fruit is very pleasing.

Three Foregoing Kinds:	Each	3	6
2 to 3 feet	\$0.40	\$1.10	\$2.00
3 to 4 feet .....	.50	1.35	2.50

Prunifolia fl. pl. (Bridal Wreath). Plum-leaved foliage which early in autumn turns to brilliant red. Blooms early, even before Van Houtte, with clusters of small button-like double white flowers.

	Each	3	6
1½ to 2 feet	\$0.60	\$1.65	\$3.00
Salicifolia (Willow-Leaved Spirea). Grows to 5 feet. The willow-like foliage is quite shiny and attractive. Crowded panicles of pink flowers in midsummer.			
3 to 4 feet	\$0.50	\$1.35	\$2.50

Thunbergi. Forms a dense feathery bush, 3 to 5 feet high: the foliage, which is a light yellowish green, changes in autumn to bright red and orange. White clustered flowers in early spring. 1½ to 2 feet, 40c each; 3 for \$1.10.

Trichocarpa (Korean Spirea). A handsome new introduction favoring Van Houtte in character, but with interesting differences. The flowers are larger than Van Houtte, with a distinct eye, in dome-shaped clusters. These appear a short space following the older Bridal Wreath, and thus prolong the showiness of this type. Thrifty and hardy.

	Each	3	6
1½ to 2 feet	\$0.40	\$1.10	\$2.00
2 to 3 feet .....	.50	1.35	2.50
3 to 4 feet .....	.60	1.65	3.00

Van Houtte. Indispensable in any grouping of shrubbery where its gracefully arching, slender branches, fine twigs and "maidenhair" foliage may be left unpruned. A fountain of white in May.

	Each	6	25
1½ to 2 feet	\$0.22	\$1.10	\$3.00
2 to 3 feet .....	.30	1.50	4.00
3 to 4 feet .....	.35	1.75	5.00
4 to 5 feet .....	.50	2.50	7.50



Spirea Billiardi



Golden Spirea



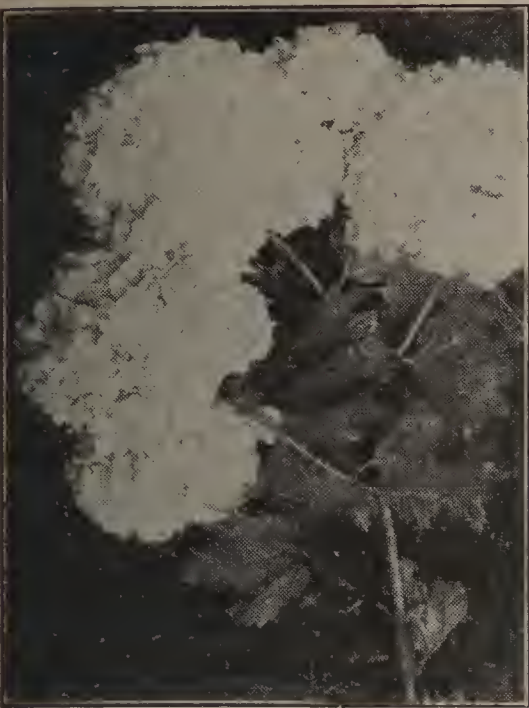
Flowers of Salicifolia



Korean Spirea—Trichocarpa



Spirea Thunbergi



Snowball—Viburnum Sterile



Vitex Macrophylla
The supreme lavender-blue shrub.



Viburnum Tomentosum

TAMARIX

Tall growing shrubs, 8 to 12 feet high, with fine feathery foliage like that of the Juniper; small, usually pink flowers from April on. Splended for seaside planting, or equally good in dry sand. The slender varieties should be grouped close.

Africana. Reddish brown bark and slender spreading branches, flowers pink in long terminal panicles in May. 2 to 3 ft., 45c each; 3 for \$1.25. 3 to 4 ft., 60c, 3 for \$1.65.

Odessana (Caspian Tamarix). 4 to 6 feet. Exquisitely feathered foliage of silvery green, blooming July and August with large, loose panicles of lavender-pink flowers. Dwarfier grower, more bushy and spreading than the others. This variety is much used for cutting, not only for its bloom but for the "mixing" character of its foliage. 2 to 3 ft., 50c each; 3 for \$1.35. 3 to 4 ft., 65c; 3 for \$1.75.

VIBURNUM

Americanum (American Cranberry). Similar to Opulus, but more open and spreading, with longer, more numerous, more visible and longer lasting fruits. Broad flower corymbs with usually only the outer fringe fully opened. Fruits bright scarlet, persisting from July until spring. (See color page C.) 1½ to 2 feet, 60c each; 3 for \$1.65.

Cassinoides (Withe Rod). Broad, flat-topped panicles of creamy white in early summer, followed by pink berries which change to blue.

	Each	3
2 to 3 feet	\$0.90	\$2.50
3 to 4 feet	1.00	2.75

Dentatum (Arrow-wood). Strong. Bright green, heart-shaped leaves turning to purple and red. May and June flowers of creamy white in umbel-like cymes; black fruits.

	Each	3
2 to 3 feet	\$0.75	\$2.00
3 to 4 feet	.90	2.50



The Feathery Grace of Tamarix

Lantana (Wayfaring Tree). Beautiful lantana-like leaves; white flowers in May and June. Fruits color unequally from crimson to black.

	Each	3
2 to 3 feet	\$0.70	\$1.90
3 to 4 feet	.80	2.25

Opulus (European Cranberry). Broad, brilliant green foliage; a rich setting for large bunches of crimson berries which persist on bare branches into the winter. The flowers are in dense cymes about 4 inches across, pure white.

	Each	3
1½ to 2 feet	\$0.50	\$1.35
2 to 3 feet	.65	1.80

Plicatum (Japan Snowball). Erect, compact. Purple tinged foliage of beautiful pattern, spangled with perfect ovoid corymbs of purest white, in June.

	Each	3
3 to 4 feet	\$1.00	\$2.75
4 to 5 feet	1.25	3.35

Pubescens. A good six-foot kind with large downy leaves and black fruits.

	Each	3
1½ to 2 feet	\$0.65	\$1.75
2 to 3 feet	.90	2.50

Sieboldi. Tall, stoutly branching. Long oval leaves dark and glossy, pubescent beneath. Early summer creamy white flowers in 3-inch panicles; pink fruits ripening black.

	Each	3
1½ to 2 feet	\$0.55	\$1.50
2 to 3 feet	.75	2.10

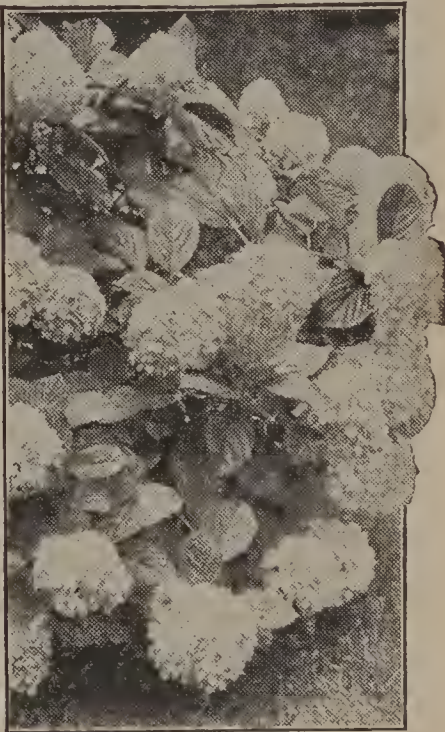
Sterile. The common "Snowball" with its lovely white balls of bloom for Decoration Day.

	Each	3
1½ to 2 feet	\$0.60	\$1.65

Tomentosum. Large flat umbel-like cymes with marginal white flowers in May.

Bush broad and symmetrical, with corrugated bronze green foliage, purple hued beneath. Fruits red, changing to blue-black.

	Each	3
1½ to 2 feet	\$0.55	\$1.50
2 to 3 feet	.75	2.10
3 to 4 feet	.90	2.50



Japan Snowball

VITEX

Macrophylla (Large Leaf Chaste Tree). A distinctive and very desirable medium size shrub not yet in general use; of graceful, open, airy habit. The leaves are very large, deep pointed like stars; creating a charming effect of informality with their different facings around the bush. From July till early frosts, there is a fairly continuous display of beautiful, large, distended, upright panicles in clusters; the color a rich shade of lavender-blue. 2-year, 50c each; 3 for \$1.35.



A Spray of Weigelas

WEIGELA

Coarse, thrifty shrubs for medium and back rows in landscape groups. The flowers are stemless bells strung along the arching canes in clustered profusion, providing the bulkiest and most dominating show of bloom from May into July.

Abel Carriere. Blooms May and June. Rose-carmine flowers with orange spots; very rich and showy.

Each 3

2 to 3 feet.....\$0.45|\$1.25
3 to 4 feet.....0.55| 1.50

Rosea. Early flowering. Rose-colored. Dwarf to medium.

Each 3

2 to 3 feet.....\$0.40|\$1.10
3 to 4 feet......50| 1.35

Eva Rathke. Most distinct variety, being later (July), and most conspicuous with its deep carmine-red flowers.

Each 3

1½ to 2 feet.....\$0.50|\$1.35
2 to 3 feet.....65| 1.75

Sessilifolia. Good sized pink cymes in dense terminal panicles, the yellow tube quite striking. Medium height but stocky.

Each 3

1½ to 2 feet.....\$0.45|\$1.25
2 to 3 feet......55| 1.50

Variegated Leaf (Rosea Nana Variegata). Dwarf; variegated leaves, broadly margined in creamy white; flowers pink. One of the most useful variegated shrubs, much used in foundation plantings.

Each 3

1½ to 2 feet.....\$0.40|\$1.10
2 to 3 feet......50| 1.35

Van Houtte. Flowers broad and flat, deep rosy red with orange markings in the throat.

Each 3

2 to 3 feet.....\$0.45|\$1.25
3 to 4 feet.....0.55| 1.50

Prices for Express or Freight delivery at your expense.

HARDY VINES

However, We will Pay Postage on All Vines at Each Price.

The hardy vines are a great boon to home-makers because the rapidity of their growth will in one season do much to overcome that appearance of "newness" so painfully evident in a newly built settlement; and long before trees and shrubs have become well established, will transform the general effect into one of homely comfort and affectionate care. They have done more to cover and conceal the unsightly evidences of man's stupidity, coarseness or neglect, and to beautify inharmonious natural environments, than any other class of things that grow.



Bignonia—Trumpet Flower

BIGNONIA Radicans (Trumpet Flower). A robust, woody fern-leaf vine; twining tightly with numerous roots along its stems. Large trumpet-shaped orange-scarlet flowers cluster at the tips of branches.

Each 3 | 6

2 yr.\$0.35|\$1.00|\$1.80

BITTERSWEET (*Celastrus Scandens*). Glossy foliage and large clusters of beautiful orange-crimson fruits retained all winter. Its graceful sprays of berries make charming winter house decorations. 2-year, 50c each; 3 for \$1.35; 6 for \$2.50.

AMPELOPSIS Engelmanni. Similar to Veitchi except that the leaves are much smaller, and more densely set. 2-year, 35c each; 6 for \$1.80.

—**Quinquifolia** (American Ivy, Virginia Creeper, etc.). Deeply cut leaves turn to crimson in fall; fine for covering trees, fences, rocky slopes, etc. 2-year, 35c each; 6 for \$1.80.

Veitchi (Boston Ivy). The finest hardy climber for covering walls, as it clings firmly to the smoothest surface, covering closely with over-lapping foliage like shingles; a deep green in summer, changing to crimson-red. It is this stately vine which with its dense coverage of restful green, mellows the walls of old churches, and square-cut, sombre public buildings. The first year, it is mainly concerned with establishing roots; the next, it shoots up amazingly. 2-year, each 40c; 6 for \$2.10; 25 for \$7.50.



Boston Ivy—Ampelopsis Veitchi

CLEMATIS

Clematis thrive in well drained (but frequently moistened) light loam enriched by well-rotted manure. Spread roots horizontally, the crown 3 inches below surface. Full sunshine best.

CLEMATIS—Large Flowering:

- Henryi.** Creamy white.
 - Jackmani.** Velvety violet.
 - Mme. Ed. Andre.** Crimson-red.
 - Ramona.** Deep sky-blue.
- All, 2-year, 75c each.

Choice New Large-Flowered Clematis

Field-grown and 4 inch pots after March.

Comtesse de Bouchaud. Satiny crimped petals, tender lilac-pink margins, the interior streamed with softest yellow.

Duchess of Edinburgh. Large, multi-petaled, gracefully recurved; gleaming white, the central tuft gilded.

Mme. Baron-Veillard. Moderate sized flowers in clusters, very free, warm lilac-rose stained burgundy.

Ville de Lyon. Brilliant carmine-red with darker center.

\$1.25 each; or the 4 for \$4.50—postpaid.



Close-up of Clematis Paniculata flowers.

CLEMATIS Paniculata. (Sweet-scented Japan Clematis). The flowers are of small size, fragrant, pure white, borne in immense sheets in September when few other vines bloom.

2-year, 40c each; 6 for \$2.10; 25 for \$7.50.

HONEYSUCKLE (Lonicera). For trellis or ground cover.

Goldflame The sensational new optional Vine or Shrub. See color page C; read description on page 67.

2-year, 75c each; 3 for \$2.00.

—**Hall's Japan (L. Halliana).** Flowers a mingled white and yellow. Extremely fragrant and satisfactory on shaded lattice, or as a matted bank covering. 2-year, 35c each; 6 for \$1.80; 25 for \$6.25.

—**Monthly Fragrant (L. Belgica).** Numerous sprays of large red and yellow flowers. 2-year, 40c each; 6 for \$2.10.

—**Scarlet Trumpet (L. Sempervirens).** Foliage practically evergreen, the flower trumpets brilliant polished red. 2-year, 40c each, 6 for \$2.10.

KUDZU VINE. Large foliage and dense shade, of finished character in one season. Flowers plentiful in August; rosy purple; pea-shaped—in small racemes. A handsome and serviceable porch vine wherever it is hardy enough to withstand the winters. 2-year, 25c each; 6 for \$1.25.

MATRIMONY VINE (Lycium Chinense). Purple flowers, long scarlet berries. Good foliage and character for climbing use, valuable also as a deep rooting ground cover.

2-year, 35c each; 3 for \$1.00.

SILVER LACE VINE (Polygonum Auberti). A quick-growing vine of twining habit making strong development the first season; with small foliage. Produces more bloom than any other hardy vine, a season extending from late summer into fall with an extravagance of large, foamy, silvery white sprays. 2-year, 50c each; 3 for \$1.35.

WISTERIA Sinensis. Distinguished subjects for pergolas, porches and trellises; with attractive and magnificent dense, massive, drooping clusters of pea-shaped flowers. 2-year, **Blue or White.**

75c each; 3 for \$2.10.



Silver Lace Vine—Polygonum



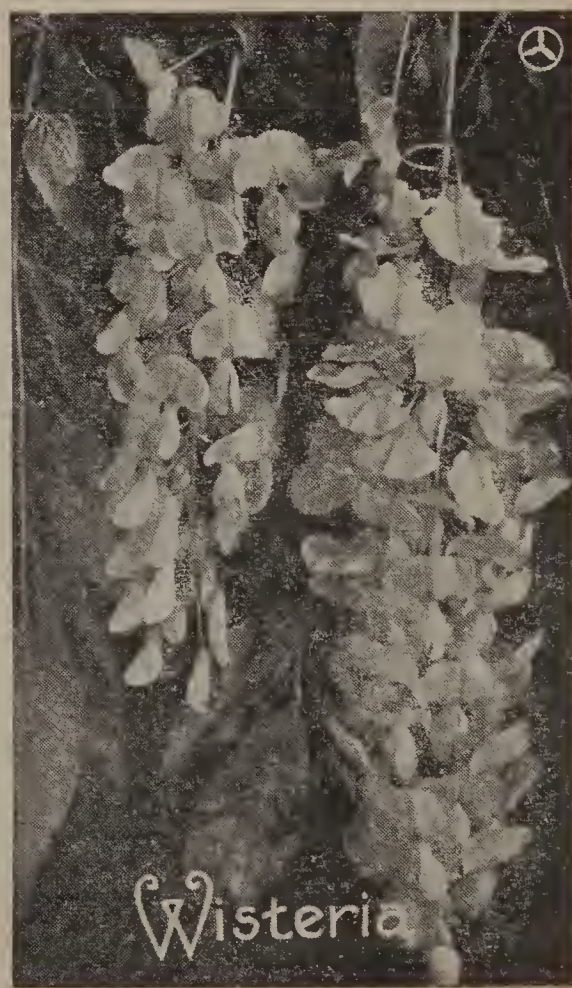
Matrimony Vine



Honeysuckle



Kudzu Vine



Wisteria



Cotoneaster Horizontalis

Evergreen Shrubs and Evergreen Vines and Plants

They are sensitive to lime, and require acidity. For protection of roots, most Evergreens are dug carefully with a ball of the attached soil, sewed up in a stout burlap bag. This treatment is denoted **E. B.** (Earth Balled). In other cases, the soil is replaced by wet moss; in which case the notation reads **M. B.** (Moss Balled). Prices are for shipment by express or freight, charges collect, unless specifically otherwise noted. Because of extra weight, we recommend shipment of **E. B.** items by freight, to save expense.

AZALEA Calendulacea (Flame Azalea). One of the most attractive flowering shrubs, of medium growth. A very profuse bloomer; the flowers being light orange to bright red, appearing before the leaves and remaining several weeks. The autumn foliage closely repeats the colors of its spring flowers. 18 to 24 inches, **E. B.**, \$2.75 each.

—**Mollis**. Dwarf, bushy, well branched, good for foundations. The flowers are a variable orange-tan, yellow and red. Plant thrives in both sun and shade. Mixed colors only. **E. B.** 9 to 12 inches, \$1.25; 12 to 15 in., \$2.00; 15 to 18 in., \$2.50.

—**Nudiflora**. This variety is an early bloomer, the flowers appearing in May. Very attractive with blooms varying in color from a beautiful pink to reddish-purple. A good shrub for mass planting. 1½ to 2 feet, **E. B.**, \$2.75 each.

COTONEASTER Divaricata. Growth upright to 6 feet; leaves deciduous, broadly oval, lustrous above, turning to crimson. Inconspicuous pink flowers; fruits 1/3-inch long, turning to bright red in September. Bare roots. 2 to 3 feet, \$1.25; 3 to 4 feet, \$1.50; 4 to 5 feet, \$2.00.

—**Dielsiana**. Upright to six feet, densely leaved and branched, with arching canes. Leaves are small, round, and the June flowers pinkish; the September fruits scarlet. Fall leaves are orange-red. **E. B.** 2 to 3 feet, \$2.00; 3 to 4 feet, \$2.50; 4 to 5 feet, \$3.25.

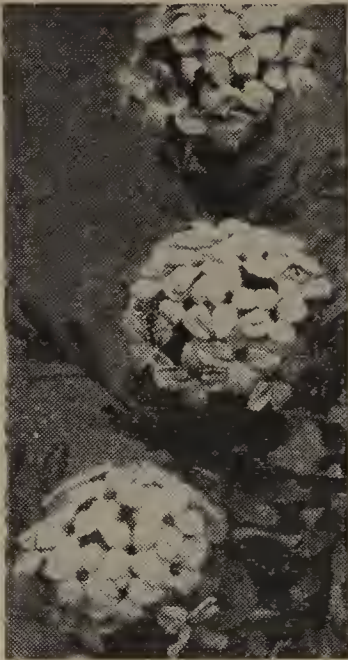
—**Horizontalis**. Densely spreading horizontal branches almost prostrate; much appreciated in rockeries and the front of borders, to display its crimsoning leaves and scarlet fruits, deep in winter. 15 to 18 inches, **E. B.**, \$2.25 each.

—**Zabeli**. Medium height; attractive 1¼-inch leaves, gray tomentose beneath; pink flowers in nodding 3- to 9-flower clusters; fruits bright red. **E. B.** 2 to 3 feet, \$2.00; 3 to 4 feet, \$2.50.



Flower of Azalea Mollis

DAPHNE Cneorum ("Garland Flower"). A dwarf shrub, almost evergreen, with spreading branches on which the narrow inch-long leaves are crowded; making very pretty trails of blue-green foliage. The soft pink flowers appear profusely during April and May, and at intervals throughout the summer; small and dainty in terminal clusters, with a distinct and pleasing fragrance. 6 to 9 inches, **E. B.**, \$1.00; 9 to 12 inches, \$1.25.



Daphne



Mahonia Aquifolia

MAHONIA aquifolia (Holly-Leaved Mahonia). A beautiful evergreen shrub of slow growth to medium height, with smooth shining holly leaves; bright yellow flower clusters in May, and blue berries. The leaf color varies capriciously. Of special value in shady location. **M. B.** Each
2 to 2½ feet\$2.75
2½ to 3 feet 3.25
3 to 4 feet 3.75

EUONYMUS



Evergreen Bittersweet

EUONYMUS RADICANS—Trailing (Wintercreeper). A fine evergreen vine, narrow-leaved, compactly matting, with pink fruits. For covering rocky banks, rough walls, tree-trunks, etc.

—**Variegatus**. Same as above; leaves heavily margined white.

—**Colorata**. Large round leaves and rapid prostrate growth, rooting every place it touches the ground. Good for retaining difficult steep banks, either in sun or partial shade. Dark green, turning bronzy red during autumn and for the winter.

Three—Bare Roots:
2-year, 60c; 6 for \$3.00.

—**Vegetus** (Evergreen Bittersweet). Of shrubby character, its rounded leaves close-covering, glossy evergreen throughout most of winter; spangled with orange-red berries. 2-year, 75c each; 6 for \$4.00.

RHODODENDRON

Its leathery leaves provide wonderfully rich backgrounds of dark green amid the floral distractions of summer, and inject a lively reminiscence of the season past, in winter landscapes. Although most effective and cared-for when planted in masses, smaller groups and units are invaluable for shaded nooks about the house or lawn. They will grow in any good soil, but are finest in a sun-and-wind sheltered situation, where the soil is deep, well drained and mulched with leaves. In hot, dry weather soak the ground—say about once a week. A protection of leaves and brush during winter is beneficial, and an acid soil condition must be maintained.

HYBRIDS. Derived from the choice named varieties from Europe. From this source come those large flowered types resplendent in vivid, distinct colors. We offer **Carminé**, **Cherry**, **Lavender**, or **Pink**. 15 to 18 in., **E. B.**, \$3.50 each.

Evergreen Hardy Perennials

Page	Please consult Perennial pages.	Doz.	100	1000
45	Mitchella repens . Partridgeberry.	\$3.00	\$18.00	
46	Pachysandra . Japanese Spurge...	1.20	8.00	70.00
	2½-inch pots	1.00	7.50	
50	Teucrium . Gernander	3.00	18.00	
51	Vinca minor . Hardy Myrtle	1.20	8.00	70.00
	3-inch pots	1.80	12.00	90.00
46	Pachistima Canbyi	5.00		



Ailanthus—"Tree of Heaven"



Beauty of the Beech



The Green "Umbrella Tree"

HARDY ORNAMENTAL TREES

Deciduous Ornamental TREES

The succeeding lists represent the most favored trees for lawn adornment, and the best types for street and grove plantings. We would be pleased to quote prices on different sizes or larger quantities.

Prices are for express or freight collect.

AILANTHUS (Tree of Heaven). An extremely rapid grower with brilliant green, palmlike leaves. Thrives in city lots exposed to gas and smoke, and in soil where other trees perish. 5 to 6 feet, \$1.50; 6 to 8 feet, \$2.00.

AMELANCHIER Canadensis (Shadblow). Of picturesque irregular branching growth; all-white in April with drifts of drooping, snowy flowers. Small purple, edible fruits in June. 1½ to 2 feet, 70c each; 3 for \$1.65.

ARALIA Japonica. (Devil's Walking Stick). Handsome small tree with spreading umbrella top. Foliage immense, finely divided; broad flat panicles of creamy white flowers in July; the whole creating a distinctly tropical effect. 5 to 6 feet, \$1.50.

ASH, American White. A tall, rapid grower with smooth gray bark and glossy, fernlike leaves. A fine lawn specimen tree; and has been used very satisfactorily for comparatively quick growing street alignment. 6 to 8 feet, \$1.75.

BEECH Balled and Burlapped (E. B.); heavy—ship by freight

European. Magnificent, compact tree with a sturdy, solid trunk, smooth gray bark, and dark green, lustrous leaves which turn to reddish brown in autumn. 3 to 4 feet, \$3.00. 4 to 5 feet, \$4.00.

BIRCH

Cut-Leaved Weeping Its tall, slender, yet vigorous growth, graceful drooping habit, silvery white bark and delicately cut foliage present attractive characteristics rarely met with in a single tree. Very popular for single lawn specimens or groups; the white bark of trunk and twigs gleaming conspicuously among the greens and browns of other trees. 4 to 5 feet, \$2.00. 5 to 6 feet, \$2.75. 6 to 8 feet, \$3.50.

Canoe or Paper (B. Papyrifera). A large, vigorous upright tree with broad, handsome leaves and brilliant white bark. 5 to 6 feet, \$2.50. 6 to 8 feet, \$3.00. 8 to 10 feet, \$3.50.

CATALPA

Bungei (Umbrella Catalpa). Grafted on stems either 5 to 6 or 6 to 8 feet high, makes an umbrella-shaped top without pruning. Perfectly hardy, and flourishes in all soils and climates. Leaves large, glossy, heart-shaped, deep green, making symmetrical head. Usually planted in pairs. 5 to 6 feet, \$1.35. 6 to 8 feet, \$1.75.

Speciosa. A good looking tree developing quick shade. Large, heart-shaped downy leaves, and compound panicles of white flowers, tinged violet, dotted purple and yellow. Noted for rapid, straight growth, and durability. 6 to 8 feet, \$1.00. 8 to 10 feet, \$1.50.



Cut-Leaved Weeping Birch

Mt. Fuji
Cherry

FLOWERING CHERRIES [Cerasus]

Beni-Higan. Deep pink in the buds, expanding to a flushed white. 2-yr., grafted on 5-ft. stems, \$2.50.

Japan Weeping Adapted to small lawns, where its swaying wands, so thickly studded with light pink bloom, are an outstanding incident of spring. Grafted on 5- to 6-ft. stems. Tops pruned ready for planting. 1-year heads, \$2.50; 2-year heads, \$3.25.

James H. Veitch (C. fugenzo). One of the best varieties; large, double, pink flowers with reddish green calyx. 5 to 6 feet, \$2.00; 6 to 8 feet, \$2.50.

Kwanzan (Sekiyama, Sekizan) (Sacred Gate). Usually in bush form but of good height; the flowers being very full and double, deep pink or old rose, varying in tone according to weather conditions. Used in Japan as gateway guardians. Grafted on 2-ft. stems. 3 to 4 feet, \$1.25; 4 to 5 feet, \$1.60.

Mt. Fuji (Fujizan) (C. incisa). A stocky sturdy type; snow-white blossoms with yellow anthers, equally beautiful after the petals have fallen when the conspicuous calyx shows red and finally crimson. 6 to 8 feet, \$2.50.

Shirofugen. Similar to Kwanzan in character, but unique in that its buds are pale; and the opened flowers show but the merest tint of pink. 6 to 8 feet, \$2.50. Same height, but in heavy calipers, \$3.00 and \$4.00.

Sieboldi. (Double Pink). Semi-double, white tinged with red. This is one of the most beautiful and favored varieties. 5 to 6 feet, \$2.00; 6 to 8 feet, \$2.50.

Yoshino. One of the loveliest of all, most popular in Japan, and the kind that gives that magnificent sweep of pink color along the Tidal Basin at Washington at "Cherry Time." Fast growing and wide-spread, the early flowers very dense on the branches; buds red, the single flowers bluish-pink maturing to white with a purplish pink center. 6 to 8 feet, \$2.50. Same height but in heavier calipers, \$3.00, \$4.00, \$5.00.

FLOWERING CRABS [Malus]

No tree could be more lovely than are these in their first stage of deep colored, round, shiny buds; then their second stage of part buds and part opened flowers; followed by a smothering expanse of full-blown flowers. Then comes their final gesture, later, when the trees are sparkling with brilliant fruits—varying in size and color, according to the variety.

Bechtel's Double Fl. Crab When in bloom appears to be covered with delicate pink, perfectly double small roses of delicious fragrance. 1½ to 2 ft., 95c. 2 to 3 ft., \$1.25. 3 to 4 ft., \$1.60.

Arnoldiana. A popular variety; early flowering semi-double, pink, with splendid foliage and yellow fruit. (No 5 to 6 feet.)

Atrosanguinea. Buds deep purple-red; entire flower tinged purplish; small yellow fruit.

Coronaria (Wild Crab Apple). A round-headed tree, with spiny branches, and heart-shaped serrated leaves. Clustered rose-pink flowers; yellowish fruit with red cheek.

Eleyi. Brilliant purplish red foliage, vinous-red flowers; the dark red fruits spectacular.

Floribunda. A larger small tree, often thorny, with rose-red flowers; very small yellow fruit. (4 to 5 feet only.)

Floribunda Purpurea. Darker red flowers; purplish leaves and dark red fruits.

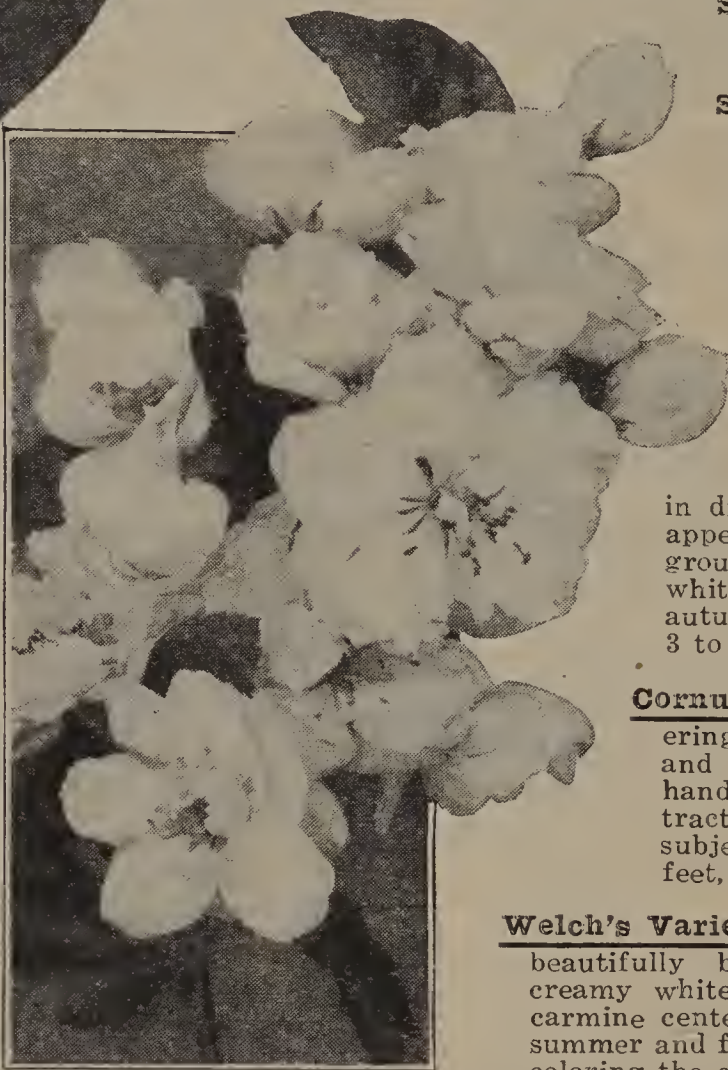
Hopa. Beautiful in spring with a wealth of rose-crimson flowers; vivid in autumn with crimson fruits.

Niedzwetzkyana. Purplish foliage and bark; large deep pink flowers; edible red fruit.

Scheideckeri. An extremely free-flowering variety, the upright branches laden full length with double pink flowers. The succeeding orange fruits make excellent jelly.

Sieboldi (Toringo Crab). Flowers blush-pink; fruits yellowish red. (No 5 to 6 feet.)

Spectabilis. Narrow foliage glossy above, glabrous beneath, the tree small. Coral-red buds expand into pretty rose-colored flowers. Fruits small, round, yellow.



Bechtel's Flowering Crab

CORNUS Flowering Dogwood

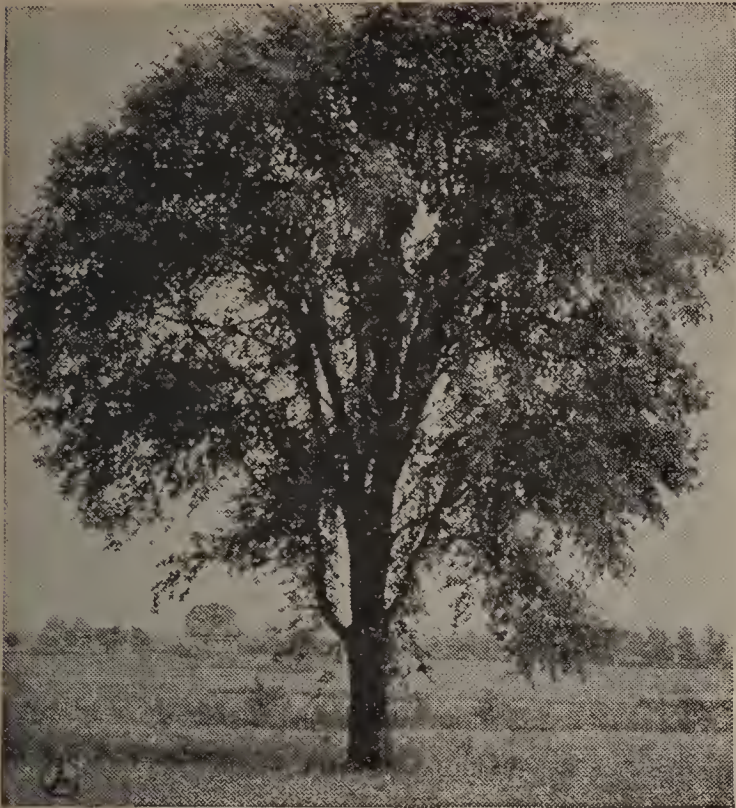
Cornus Florida (White Flowering Dogwood). Flowers white, 3 to 3½ inches in diameter, in spring before leaves appear. Used in tall shrub background and corner groups, sparkling white bloom in spring, and crimson autumn foliage. 2 to 3 feet, \$1.00. 3 to 4 feet, \$1.40. 4 to 5 feet, \$2.00.

Cornus Florida Rubra (Red-Flowering Dogwood). Slower growing and more formally shaped, with handsome rose-red flowers. An attractive lawn specimen or group subject. 2 to 3 feet, \$2.00. 3 to 4 feet, \$2.75. 4 to 5 feet, \$3.75.

Welch's Variegated Leaved The leaves are beautifully blotched, tinted and bordered creamy white in early spring, changing to carmine center and crimson margin in mid-summer and fall; the tree holding magnificent coloring the entire season. 2 to 3 feet, \$2.00. 3 to 4 feet, \$2.75.



Red Dogwood—Cornus Florida Rubra



The Magnificent American Elm

THE ELM [Ulmus]

American. A noble native tree of great size and wide spread, with graceful drooping branches and handsome leaves. One of the best tree types for towering heady effect and wide-spread shade.

	Each	6
6 to 8 feet	\$1.00	\$5.40
8 to 10 feet	1.25	6.60
10 to 12 feet	1.75	9.00
1 3/4 to 2 inch caliper	2.50	
2 to 2 1/2 inch caliper	3.25	

Camperdown Weeping. Its vigorous irregular branches, which have a uniform weeping habit, overlap so regularly that a compact, roof-like head is formed. Leaves are large, glossy, dark green. Grafted 5- to 6-ft. stems, with 2-year head, \$4.00.



Camperdown Weeping Elm

Chinese (Pumila). Growing rapidly and to a good height. Prefers a light or gravelly loam, and develops a broader base than the American types. The foliage is small and dense, the growth symmetrical and compact.



Chinese Elm.

Vase Elm. Another recently introduced type of American Elm, the tops uniformly shaping up to a broad-topped vase. Both Above (Moline and Vase):

	Each	6
6 to 8 feet	\$1.30	\$6.50
8 to 10 feet	1.60	8.40
10 to 12 feet	2.00	11.00

EUONYMUS

(Winterberry)

Bungeanus. Tall growing shrub with slender branches and finely serrate 2- to 4-inch leaves. Flowers appear in numerous small forked cymes; succeeded by large, deeply lobed fruits which show pink, with white seeds and orange arils. 3 to 4 feet, 75c. 4 to 5 feet, 90c.

Europaeus. (Burning Bush). A large shrub or small tree, growing to 15 feet. In spring it is covered with a wealth of bright yellow flowers in nodding clusters, followed by brilliant rose-colored berries, hanging in clusters from the branches till mid-winter. The leaves color a beautiful crimson-scarlet in fall. Stems and leaves a dark, polished green. 3 to 4 feet, 90c. 4 to 5 feet, \$1.00.



Horse-Chestnut

HORSE-CHESTNUT

White Flowering. The well-known European species; very handsome; has magnificent spikes of white flowers borne in profusion and sweetly scented. 4 to 5 feet, \$1.25. 5 to 6 feet, \$1.60. 6 to 8 feet, \$2.00.

FILBERT, American. The common Hazelnut. Will grow in almost any location, but prefers a rather moist soil, such as can be found along streams. Nuts are of fine flavor. 1 1/2 to 2 feet, 60c. 2 to 3 feet, 85c. 3 to 4 feet, \$1.00.

HACKBERRY. Its light green leaves are glossy, pointed; the branches spread horizontally, forming a wide, elm-shaped head of medium size. Vigorous, hardy and healthy, thriving in all soils. 6 to 8 feet, \$2.50. 8 to 10 feet, \$3.00.

HONEY LOCUST. A large, vigorous tree, with wide-spreading branches, feathery, fernlike leaves, and a stout armament of thorns. Makes a fine defensive hedge. 6 to 8 feet, \$2.00. 8 to 10 ft., \$2.50. 1-yr. seedlings, \$5.00 per 100; 250 for \$10.00.

JUDAS TREE, Redbud (Cercis Canadensis). A small growing tree of irregular form, with heart-shaped leaves. It is covered with delicate reddish pink blossoms early in spring before the leaves appear. This fits in well with Dogwoods, Cherries, Crabs, Thorns, etc., in tall groups designed specially for spring effectiveness. 4 to 5 feet, \$2.00.

KENTUCKY COFFEE TREE (Gymnocladus canadensis). A fast growing tall tree with ascending branches uniquely free from cluttering branchlets, thus making a clean-cut silhouette. The bluish foliage is twice-pinnate, 2 to 3 feet long, of airy grace and beauty. Greenish white flowers in large panicles terminating the new branches of same season, are followed by picturesque clusters of large, flat, reddish seed pods persisting through the winter. 3 to 4 feet, \$1.50.

LABURNUM, Scotch ("Golden Chain"). This charming small tree takes its familiar name from the long racemes of golden yellow flowers with which it is radiant in June. It is of picturesquely irregular growth, and has glossy pinnate leaves. Prefers a somewhat sheltered situation. 3 to 4 feet, \$2.25.

LINDEN, American. A stately tree, with large, shining cordate leaves. Valuable for its beautiful white wood. It flowers in July. 5 to 6 feet, \$1.25. 6 to 8 feet, \$1.60. 8 to 10 feet, \$2.00.

—European. Largely used for street and ornamental planting, developing into beautiful, roundheaded specimens; bloom very sweet-scented. 6 to 8 ft., \$2.00. 8 to 10 ft., \$2.75.

BLACK LOCUST. A handsome, straight, fast-growing native tree thriving in dry, sandy or other soils. It is largely planted to procure posts, ties and poles, for which there is always good demand. 1-year seedlings, \$5.00 per 100; 250 for \$10.00.



Norway Maple



The Early Fall Fruits of European Mt. Ash



The Serviceable and Popular Silver Maple

MAGNOLIAS

The following varieties are "Moss Balled and Burlapped," and not too heavy for express shipment.

Glauca (Sweet Bay). Best planted in moist soil; but in the drier lawns is much smaller. Its broad leaves are glossy, almost evergreen. In June its large, waxy white flower-cups are lovely and exquisitely fragrant.

2 to 3 feet, **M. B.**\$2.25
3 to 4 feet, **M. B.** 3.25
4 to 5 feet, **M. B.** 4.50

Soulangeana One of the hardiest and finest. Its blossoms are from 3 to 5 inches across, cup-shaped, white and rosy violet, opening before its leaves which are massive and glossy.

2 to 3 feet, **M. B.**\$3.50
3 to 4 feet, **M. B.** 4.50



The Lovely Pink-Flowered Magnolia Soulangeana

THE MAPLES - Acer

No shade tree is so well known, more generally planted or so popularly loved as the Maple. The rounded density and color richness of Norway and Schwedler prevail as specimens in spacious lawns; the Sugar lines up majestically along the road; the Silver finds occupation as quick shading for western exposures of porch or windows; the dwarf Japan type gives tone and color to lawn groups.

Norway. A large, handsome tree with a round head; broad, deep green, shining foliage. Very desirable for street, park, or lawns.

Silver ("Soft" Maple). It makes a broad, bulky, but pointed topped tree; in shading size quicker than any other variety.

Sugar or Rock ("Hard Maple"). This tree is chieftain of its clan; straight, spreading, symmetrical, of grand proportions, and longer lived than most men who plant it. Grows well in all except damp, soggy soils. This is the most appropriate type of Maple for deliberate street planting.

Tatarian. A choice variety; medium size, rounded form, thriving in damp soils if desired. Moderate grower but makes a handsome specimen. Foliage turns yellow in fall.

Wier's Cut-Leaved. A silver Maple with remarkable and beautifully dissected foliage. Of rapid growth; shoots slender and drooping.

PRICES OF MAPLES:		Each	6
Norway, 6 to 8 feet	.....	\$1.75	\$ 9.90
" 8 to 10 feet	.....	2.00	11.10
" 10 to 12 feet	.....	2.25	13.20
Silver-Leaved, 5 to 6 feet	.....	.80	4.50
" 6 to 8 feet	.....	1.00	5.40
" 8 to 10 feet	.....	1.25	6.90
" 10 to 12 feet	.....	1.50	8.10
Sugar (or Rock), 6 to 8 feet	.....	1.70	9.00
" " 8 to 10 feet	.....	2.00	10.80
" " 10 to 12 feet	.....	2.50	12.00
Tatarian, 4 to 5 feet	.....	1.25	
" 5 to 6 feet	.....	2.00	
" 6 to 8 feet	.....	2.50	
Wier's Cut-Leaved, 6 to 8 feet	.....	1.70	9.00
" 8 to 10 feet	.....	2.00	10.80



Teas' Weeping Mulberry

MOUNTAIN ASH

European. A broad-topped small tree. The fern-like foliage is dark and lustrous. In late summer and far into winter, the greatest beauty and effectiveness centers in the great number of large, dense fruit clusters of orange-red, which gleam brilliantly against the green of leaves, or denuded brown of branches.

5 to 6 feet\$1.75
6 to 8 feet 2.25
8 to 10 feet 3.00

TEAS' WEEPING MULBERRY

The most graceful hardy weeping tree in existence. Forms a perfect shaped head, with long, slender, willowy branches, drooping with airy grace to the ground. Useful in cemetery plantings; as well as for lawn specimens; dividing line hedges, and many other landscape uses. Grafted on stems 5 to 6 feet high. 1-yr. heads, \$2.25. 2-yr. heads, \$3.00.

OSAGE ORANGE

A medium sized spiny tree with spreading branches; rather large fernlike leaves of bright green which change to yellow in fall. Flowers are inconspicuous, but the succeeding orange-like fruits are attractive. It is chiefly utilized as a close, thorny, stock-turning hedge plant and allowed to grow fairly tall.

By mail, postpaid: 100 for \$3.50.
By express: 1 year, \$3.00 per 100; 250 for \$6.75.

Write us for quotations on larger sizes or quantities than are listed.



THE OAKS—Quercus

Pin. Broad-based pyramids in habit; described as half-weeping when old, because its lower branches touch the ground. Magnificent, darkly lustrous leaves. 6 to 8 feet, \$2.25. 8 to 10 feet, \$2.75. 10 to 12 feet, \$3.50.

Red. A tall tree, with massive, broad top and thick trunk. Of comparatively quick growth, with immense, high-coloring leaves. 6 to 8 feet, \$3.25. 8 to 10 feet, \$4.00. 10 to 12 feet, \$5.00.

PEACH, DOUBLE RED FLOWERING. Beautiful small trees mainly used as and with shrubs. At their blooming time in May, every twig and branch is bright with perfectly formed double rose-red flowers. 2 to 3 feet, 50c; 3 to 4 feet, 65c; 4 to 5 feet, 90c.

PHELLODENDRON Amurense (Amur Cork Tree). A shape-ly round-headed specimen tree of unique character, suitable for lawn planting. Small oval leaflets are densely "feathered" along 10- to 15-inch stems; dark green in summer, deep yellow in autumn. Primrose-yellow flowers; the black fruits persistent into winter. Leaves and fruits strongly aromatic when crushed. 3 to 4 feet, \$1.00; 4 to 5 feet, \$1.50; 5 to 6 feet, \$2.00.

ROSE-ACACIA (Moss Locust). An elegant shrub, with light green pinnate leaves and long graceful clusters of pea-shaped, rose-colored flowers in June and often later. —Standard (grafted). 3 to 4 ft. stems, \$2.75.

RUSSIAN OLIVE (Elaeagnus Angustifolia). Useful in tall dense groups for sharp color contrasts. Bark dark green, foliage rich silver color, willow shape; flowers deep golden and very fragrant, followed by ornamental olive fruits. 2 to 3 feet, 60c; 3 to 4 feet, 75c; 4 to 5 feet, \$1.00.



European Sycamore



Ginkgo Tree (Salisburia)

SALISBURIA (Ginkgo or Maiden Hair Tree). A rare elegant tree from Japan with singular, almost fern-like foliage unlike that of any other tree; of free growth, with angular, independent branches each quite distinct. 5 to 6 feet, \$2.25; 6 to 8 feet, \$3.00; 8 to 10 feet, \$4.00.

SYCAMORE, EUROPEAN. The well-known Oriental Plane (*Platanus orientalis*). Used in great numbers to create vistas of dense green shade, along new streets which require quick development of shade and ornamentation. A lofty, wide-spreading tree with deeply lobed palmate leaves; valuable for its handsome foliage, hardiness, and free growth. The bark is an attractive grayish green during the summer; but enough of it sheds during the winter to give an interesting mottled appearance as the smooth, creamy white trunk is revealed.

	Each	6
6 to 8 feet	\$2.00	\$11.00
8 to 10 feet	2.25	12.30
10 to 12 feet	3.00	16.50
1 3/4- to 2-inch caliper	4.00	
2- to 2 1/2-inch caliper	5.00	

POPLARS - Populus

Bolleana (Silver Leaf). Its big leaves are glossy green, silvery beneath, creating an attractive flashing effect when stirred by the winds. Often used in landscaping against blank wall spaces of high public buildings. 5 to 6 feet\$2.00 8 to 10 feet 3.50

Carolina. Vigorous; large glossy leaves; valuable for quick shade. 6 to 8 feet\$0.75 8 to 10 feet 1.00

Lombardy Old trees once thoughtfully placed, are outstanding landmarks today; their great height, dense slenderness, and sombre silhouette against the skyline give a remarkably picturesque effect.

	Each	6
6 to 8 ft.	\$0.75	\$4.20
8 to 10 ft.	1.00	5.40
10 to 12 ft.	1.50	7.80
Caliper:		
1 3/4 to 2 in.	2.25	
2 to 2 1/2 in.	3.75	



Lombardy Poplar



Spring Beauty of the Flowering Thorns

FLOWERING THORN (Crataegus)

Coccinea (Thicket Thorn). Single white flowers, scarlet fruits. A fine small tree, densely branching, useful for impenetrable backgrounds.

6 to 8 feet, \$3.75; 8 to 10 feet, \$5.00.

Crus-galli (Cockspur Thorn). Widely extended horizontal branches, flat-topped effect. Flowers white with tinge of red.

2 to 3 feet, \$1.75; 3 to 4 feet, \$2.25.

Mollis (Downy Hawthorn). Long spines and long double toothed leaves. Flowers white with red disk; fruits red.

6 to 8 feet, \$3.50; 8 to 10 feet, \$4.50; 10 to 12 feet, \$5.25.

Nitida (Glossy Hawthorn). Tall growing, heavily spined; long glossy leaves coarsely toothed; 1/2-inch fruits dull red.

2 to 3 feet, \$1.75; 3 to 4 feet, \$2.25; 6 to 8 feet, \$3.50.

Oxyantha fl. pl. (English Hawthorn). White double flowers appearing when the leaves are nearly full grown, followed by conspicuous scarlet fruits. 6 to 8 feet, \$3.50.



Wisconsin Weeping Willow

Paul's Double Scarlet. Flowers deep crimson-scarlet; very double. This is one of the most attractive small trees for solitary specimens or groups, as showy in fruit as when in bloom.

2 to 3 ft., \$2.00; 3 to 4 ft., \$2.25; 5 to 6 ft., \$3.50.

THE WILLOWS [Salix] UPRIGHT

Gold Bark. Showy, with golden bark, conspicuous during winter.

—**Britzensis.** Deep bronze bark.

Laurel Leaved. A splendid ornamental small tree, with large, glossy, dark laurel-like leaves, whence its name.

Regalis (Silver Leaf). A large tree, with short, thick trunk and yellowish brown branches, the foliage a silvery ash-gray.

Rosemary (S. Rosmarinifolia). A beautiful short tree with slender branches and twigs, densely clothed with short, stiff, white tomentose leaves.

WEeping

Babylonica. A graceful tree of large size. Its fresh, bright green tint and long, wavy branches make it very attractive.

Niobe. (Golden Weeping.) Slender leaves, green above, silvery beneath; the twigs and bark a strong golden yellow; the hardest gold-barked Willow for the far North.

Thurlo's (Elegantissima). Larger and more spreading than Babylonica.

Wisconsin. A Babylonica with more slender leaves and hardier. This is the most generally planted variety, and makes immense broad-topped specimens.

PRICE OF WILLOWS

	Each
Babylonica, 6 to 8 feet	\$1.60
" 8 to 10 feet	2.00
Britzensis (Bronze), 5 to 6 feet	1.25
" 6 to 8 feet	1.65
Gold Bark, 6 to 8 feet	1.25
" 8 to 10 feet	1.60
Laurel-Leaved, 6 to 8 feet	1.50
" 8 to 10 feet	2.00
Niobe (Golden Weeping), 6 to 8 feet	1.75
" 8 to 10 feet	2.25
" 10 to 12 feet	3.00
Pussy (S. discolor)—See description.	
Regalis (Silver), 5 to 6 feet	1.50
" 6 to 8 feet	2.00
Rosemary, 2 to 3 feet .....	.75
" 4 to 5 feet	1.00
" 5 to 6 feet	1.50
Thurlo's (Elegantissima), 6 to 8 feet	1.65
" 8 to 10 feet	2.10
" 10 to 12 feet	2.85
Wisconsin, 6 to 8 feet	1.60
" 8 to 10 feet	2.00
" 10 to 12 feet	2.75

Pussy Willow (S. discolor.)

A small tree with attractive leaves 2 inches long by an inch wide. Its popular appeal is the conspicuous silky catkins which bud in the fall, and make such delightful "springy" bouquets just as the snow is melting. 4 to 5 feet, 75c each; 3 for \$2.00; 6 for \$3.75. 5 to 6 feet, \$1.00.

Witch Hazel

Valuable because its fringe-like yellow flowers open in November. Grows 10 to 15 feet tall, with fine leaves that color to yellow, orange or purple in fall and drop before the bright yellow flowers appear. Likes a moist sandy or peaty soil and partial shade. 2 to 3 feet, 80c. 3 to 4 feet, \$1.10. 4 to 5 feet, \$1.40.



Pussy Willow



Blue Spruce Blue Cedar In Urns— Ret. Plumosa A. V. Compacta Ffitzer Juniper Red Cedar

EVERGREEN TREES

CASH and CARRY Discount on Evergreens **10%**
Taken Away

Our Evergreens are all carefully grown, at good distances for symmetrical development, are root and top-pruned into handsome, shapely specimens that will transplant successfully to new homes with ordinary care. We pack them so that the root-fibers are well protected and will reach their destination in good growing condition. If planters will continue this care to keep the fibers from drying out by exposure to air and sun, with watering thereafter, success is reasonably sure.

All S & H Evergreens **MOSS-BALLED** and Burlapped in the Field.

ARBOR-VITAE {Thuya}

American (White Cedar). Erect, pyramidal habit with soft bright green foliage, dense from ground up; grows rapidly and soon forms a most beautiful tree for any purpose. Like other types of Arbor-vitae, the American can be trimmed at will, or even closely sheared when sufficiently developed to present formal lines and surface as a hedge.

	Each		Each
2 to 2½ feet	\$1.25	4 to 5 feet	\$2.75
2½ to 3 feet	1.50	5 to 6 feet	4.00
3 to 4 feet	2.00	6 to 7 feet	5.50

Columbia ("Silver Tip"). Favors the bulky Siberian type; heavy foliage, with contrasting silver tips.
3 to 4 feet, \$3.25; 4 to 5 feet, \$4.50; 5 to 6 feet, \$6.00.

Compacta. (Globe-shaped). Dwarf, dense little trees with light green foliage, neat and attractive. Useful for beds, borders, cemeteries, or low-growing hedges.

	Each		Each
1½ to 2 feet	\$2.00	2½ to 3 feet	\$3.50
2 to 2½ feet	2.40	3 to 4 feet	4.50

Douglas Golden. One of the hardiest. Broad bushy growth, tall, with slender branches and bright yellow foliage.
3 to 4 feet, \$3.25 each.

Ilwangeriana. A low, broad tree with slender branches and feathery foliage.
2 to 2½ feet, \$2.75; 2½ to 3 feet, \$3.50; 3 to 4 feet, \$4.25.

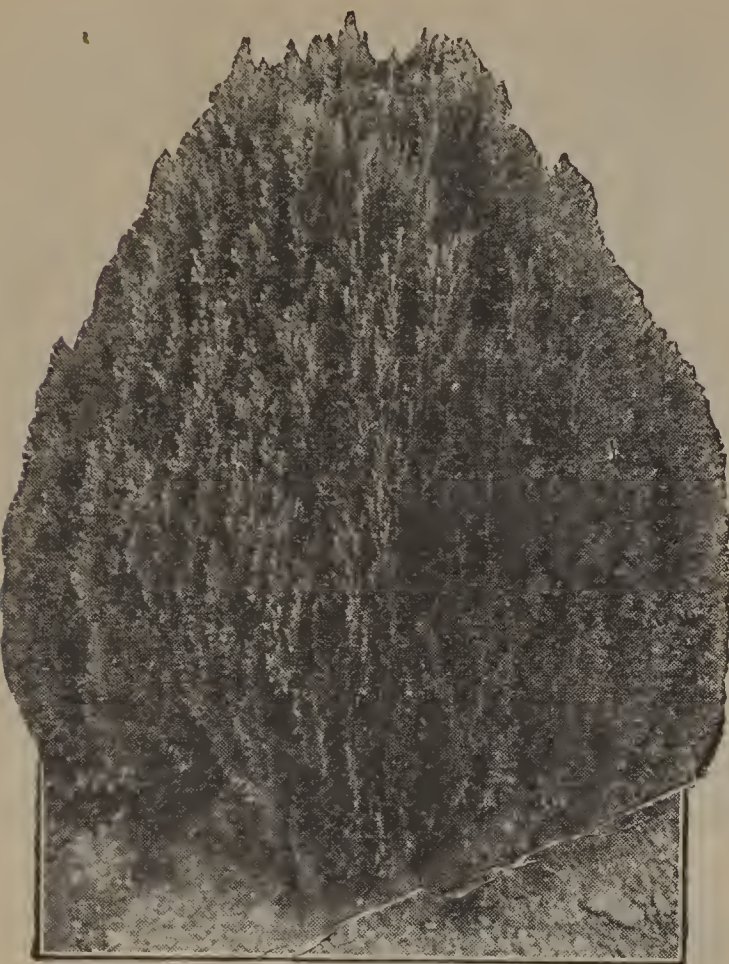
Globosa. Forms a dense, low, natural globe; for spacing at intervals along a foundation planting foreground, or to define driveway curves. Requires very little trimming. The color is in general a bright sage-green.
15 to 18 inches, \$1.75; 2½ to 3 feet, \$3.50; 3 to 4 feet, \$4.50.

Lovey's Golden. A low-growing, hardy tree, elliptical in form and very compact. Foliage light green with a golden tinge, very distinct, bright and pleasing shade. See its distinctive shape and leaf character, on page 82.
2½ to 3 feet, 3.00; 3 to 4 feet, \$4.50.

Please Note! We can dig and burlap the original ball of earth if desired, but prefer to standardize the "Moss Ball" method. We dig carefully; gently remove the soil, replacing it with wet moss or excelsior, the entire protected root-system then sewed into a burlap container. Eliminating the accustomed 40 to 100 pounds of hard soil will make so important reduction in weight of both tree and the type of box required, the customer can better afford to Ship Evergreens by Express. Express shipments will save several days to weeks in railroad transportation, besides ensuring prompt delivery to your door. This brings you the roots still moist, the valuable fibrous roots unbroken.



Arbor-Vitae Globosa, and Arbor-Vitae Pyramidalis



Oriental Arbor-Vitae (Similar to Hovey's)

ARBOR-VITAE—Cont'd

Oriental. A comparatively low, broadly pyramidal tree, native of Asia. Its color is a refreshing yellowish green similar to Hovey's, although dulling to bronzy green in winter.

Each		Each	
2	to 2½ ft...	\$1.50	3 to 4 ft.....\$2.25
2½	to 3 ft...	1.75	4 to 5 ft..... 3.50

Oriental Compacta. The same bright color and unique foliage type; but dwarfier growing and more compact. 2 to 2½ feet, \$2.00; 2½ to 3 feet, \$2.50; 4 to 5 feet, 4.00.

Oriental Compacta Aurea. Selected from foregoing type for its dominant yellow color; very useful. 2 to 2½ feet, \$3.00; 2½ to 3 feet, \$4.00.

Pyramidalis. A densely columnar type, most compact and erect of the entire species, at 12 feet high averaging 24 to 30 inches in diameter. Foliage a deep green, retaining color. The most popular pyramid for flanking the stoop in colonial architecture.

Each		Each	
2½	to 3 ft....	\$2.50	4 to 5 ft.....\$4.00
3	to 4 ft....	3.00	5 to 6 ft..... 5.00

Siberian. A superb hardy variety, somewhat similar to American, with heavier and fuller foliage and more compact habit; bears trimming well. This variety is extensively

used for backgrounds in foundation plantings, where dense bushiness is required, rather than height. **Each**
1½ to 2 feet\$1.50
2 to 2½ feet 2.00
2½ to 3 feet 2.75
3 to 4 feet 3.75
4 to 5 feet 5.00

Woodwardi. Another flat-topped, dwarf globe, by many considered best of the type. Naturally compact and dense, the color a pleasing dark green. **Each**
15 to 18 inches\$1.50
18 to 24 inches 2.25

FIR [Abies]

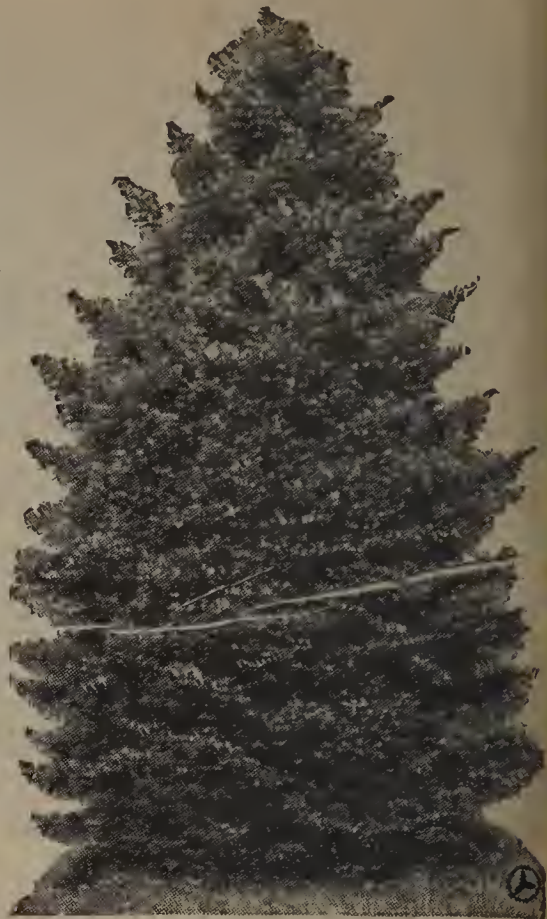
Tall-growing, clean-cut, and majestic, the Firs are of the Spruce type in character; redolent with scents exceedingly agreeable to all people.

Concolor (White Fir). A picturesque broad-based, tapering tree; long leathery leaves, with glaucous tinge when young, becoming pale green with age. Branches in horizontal whorls.

Each	
1½	to 2 feet .....\$2.85
2	to 2½ feet 3.50
2½	to 3 feet 4.50

Douglas (Pseudotsuga Douglasi). Very tall growing with red-brown bark. Leaves light green above, glaucous below. Of thickly conical form, spreading branches, and pendulous branchlets.

Each	
1½	to 2 feet .....\$1.50
2	to 2½ feet 2.00
2½	to 3 feet 2.50



Concolor Fir

CYPRESS

Nootka Sound (C. nootkatensis). A choice broadly pyramidal evergreen with glaucous green (or slate blue) leaves and spreading, curving branches drooping at the tips. **Each**

1½	to 2 feet .....\$2.25
2	to 2½ feet 2.75
2½	to 3 feet 3.50
3	to 4 feet 4.50

JUNIPER [Juniperus]

Junipers present the most distinct and interesting types of any evergreen family. Most kinds bear small, colored berries to supplement other ornamental features. For slender columns, you can choose from Irish, Swedish, and the Virginian varieties; Irish being thinnest and bluest; the darkest and thickest being the bulky columnar red cedars in blue, green, bronze and yellow shades. For ground covering and extensive rockery schemes, Horizontalis, Pfitzer's, Savin and Tamariscifolia are practical, also in selective colors. Dwarf Swedish is the shortest of the columnar types; Pfitzer's the most resistant against difficulties.



Nootka Sound Cypress

Depressa Plumosa

(Andorra Juniper). Dwarf and spreading; feathery foliage dark green turning to purple in fall. **Each**

1½	to 2 feet ...\$2.75
2	to 2½ feet ... 3.75
2½	to 3 feet ... 4.50

Prostrata. A handsome, serviceable ground covering type of closely radiating habit, the foliage fresh grey-green. **Each**

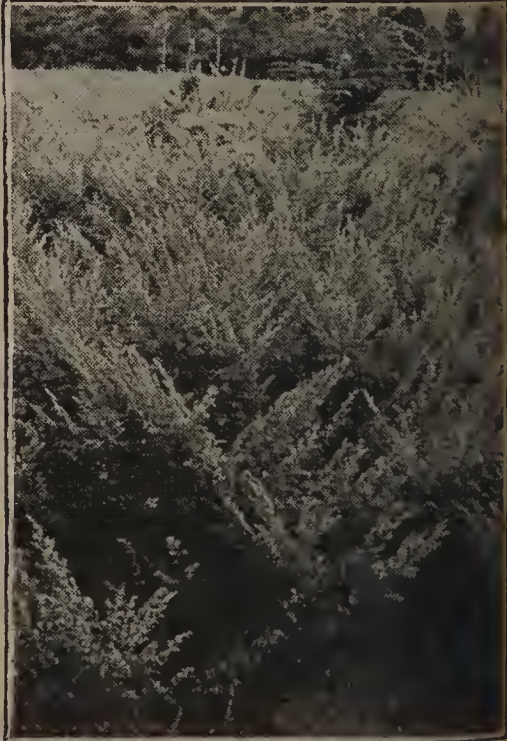
15-18 in.	spread ..\$2.75
18-24 in.	spread .. 4.00
24-30 in.	spread .. 5.00

Horizontalis glauca. Like the above except its color is a distinct bright steel-blue. This, and that grey-green, intermingle effectively in mass coverage. **Each**

1½-2	ft. spread.\$2.00
2-2½	ft. spread. 3.00
3-4	ft. spread. 5.00



A group of shaped Siberian Arbor-Vitae



Juniperus Horizontalis Glauca

JUNIPER—Concluded

Irish Erect, slender and formal in habit; foliage sage-green, very compact; making a splendid column eventually 15 to 20 feet high; much used in cemeteries. Each

1½ to 2 feet	\$1.50
2 to 2½ feet	2.00
2½ to 3 feet	2.75
3 to 4 feet	3.50
4 to 5 feet	4.00



Irish Juniper

Pfitzer's (J. Pfitzeriana). One of the most striking of all evergreens. The branches progress spirally along the trunk at a 45-degree angle, thereby making a good "filler"; or standing alone, it acquires the symmetry of a broken column. The branches are long and whip-like, densely furnished, very dark green; the first new growth thickly studding the expanse like silver beads.

Spreading Type:	Each
15 to 18 inches	\$2.50
1½ to 2 feet	3.00
2 to 2½ feet	3.75
2½ to 3 feet	4.75
3 to 3½ feet	6.00

Savin (J. Sabina). Handsome moss-green foliage; adapted to use as a filler in Evergreen groups, or as a semi-dwarf ground cover. The angle of its close-set fronds is about 45 degrees. Its tinge of bronzy green is a welcome change from prevailing greens and blues.

Each	Each
15 to 18 inches .....\$2.25	2 to 2½ feet .....\$3.75
18 to 24 inches 3.00	3 to 4 feet 5.00

Spiny Greek (J. excelsa stricta). A distinct variety with a peculiar, blue-green shade of color. Dwarf, very dense, cone-shaped; slow growing and useful in foundation plantings or edging.

Each
15 to 18 inches .....\$2.50
18 to 24 inches 3.00

Swedish (J. suecica). Tall growing, of formal, columnar habit. One of the hardiest and most reliable pillar types. The foliage is dense, fairly broad, with drooping tips; in color glaucous green somewhat lighter and bluer than the Irish Juniper.

Each
1½ to 2 feet .....\$1.75
2 to 2½ feet 2.50
4 to 5 feet 5.00

Dwarf Swedish (J. suecica nana). A dwarf variety, compact in habit, hardy; foliage bluish at first, thereafter light green, not changing in winter. This type fills a frequent need for a little tree both slender and of short stature.

Each
2 to 2½ feet .....\$2.50
2½ to 3 feet 3.25
3 to 4 feet 4.00
4 to 5 feet 6.00



Pfitzer's Juniper

A thrifty Pfitzer eventually spreads about 5 feet.

Squamata Meyeri. An upright form of a naturally decumbent type, much branched, with short straight branchlets. Valued for its density and for its brilliant steel-blue color.

Each
15 to 18 inches .....\$3.00
18 to 24 inches 3.50

Tamariscifolia (Tamarix-Leaved). A beautiful trailing form of Savin, with bluish green foliage. The construction is dense and very fine like a Tamarix foliage, especially attractive when showing new growth.

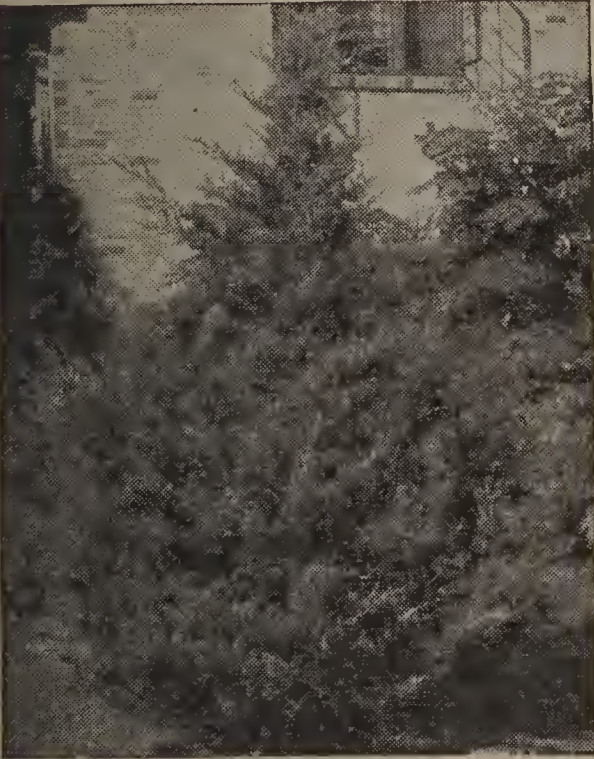
Spread:	Each
1½ to 2 feet	\$3.50
2 to 2½ feet	4.00
2½ to 3 feet	5.00

Red Cedar Virginiana. Fine, dense foliage; thickly columnar, varying in habit and color, the majority being formal and bluntly conical. This makes a good tree to use at free corners to provide accenting height without encroachment on contiguous window spaces

Each
5 to 6 feet .....\$5.50
6 to 7 feet 8.00

Blue Cedar Virginiana Glauca. Unlike so many varieties it is not at all formal, but without losing general compactness, its regularity of spread is uniquely attractive; the broadly conical form and beautiful glaucous blue foliage making it one of the choicest of all Junipers.

Each
3 to 4 feet .....\$5.00
4 to 5 feet 6.00
5 to 6 feet 7.00



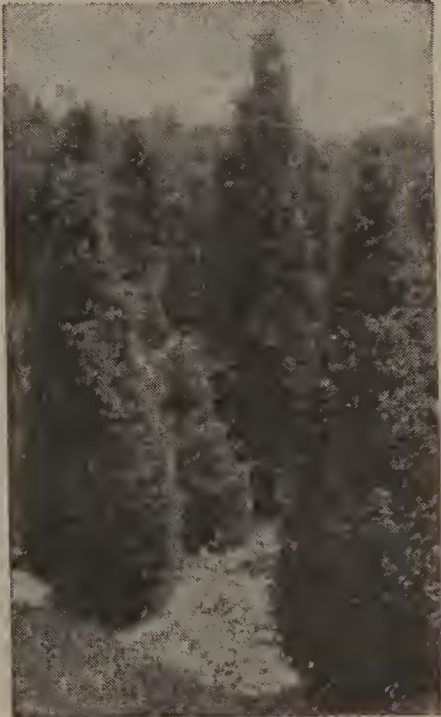
Blue Cedar



Savin Juniper



Juniperus Tamariscifolia



Sheared Red Cedar



Austrian Pine



Scotch Pine



Retinospora Pisifera

HEMLOCK
[Tsuga Canadensis]

The best evergreen in heavy shade, both beautiful and dependable wherever used. Its refined foliage is lacy, close-set and darkly lustrous, in rather flat fronds which droop gracefully. Although capable of great height, it is best known as a moderate grower adapted to severe pruning; used at corner, or as foundation screens; or in formally sheared high hedges.

		Each
1½ to 2	feet	\$2.00
2 to 2½	feet	2.50
2½ to 3	feet	3.25
3 to 4	feet	4.00
4 to 5	feet	5.00
5 to 6	feet	7.00

THE STATELY
PINE [Pinus]

Pine trees rank high among Nature's most majestic trees. Even the smaller nursery sizes are typical of their matured expression; and because of their massive character and rich coloring, at once assume importance and give a tone of dignity to the landscape. Plant Pines for perpetuity.



Hemlock

Austrian (*P. austriaca*). Broad-based, heavily needled, massive; darkest and richest green of the Pines, silhouetting to inky blackness against the sky-line. Quite densely and evenly branched, well furnished with attractive tufts of foliage, the new growth erect and silvery like candles set along the twigs. It is hardy and vigorous in growth, well able to withstand the onslaught of wind, smoke or gas.

		Each
4 to 5 feet		\$5.00
5 to 6 feet		6.50
6 to 8 feet		10.00

Japanese Red Pine (*P. densiflora*). Hardest ornamental Pine as to soil and coldness; of massive character, round-topped at maturity, well fitted to bold landscape effects. Resembles Austrian but has more slender, softer, denser needles, dark green without glare; stubby russet-brown cones

		Each
4 to 5 feet		\$4.00
5 to 6 feet		5.50

Mugho (*P. montana mughus*). The only genuine dwarf Pine. Leaves short, stiff, formal, thickly distributed in tufts in a crowded way somewhat similar to Austrian; with an equal depth and richness of color. Does not grow tall but spreads out, generally in a globular form; very dense. Popular in foundation plantings; for markers in angles of the walks; and on the crest of terraces.

		Each
18 to 24 inches		\$3.00
24 to 30 inches		3.75
2½ to 3 feet		4.50

Scotch (*P. sylvestris*). Like the Austrian, its quick, strong growth makes it valuable for protective screens; very hardy. As a rule it grows taller than Austrian, with softer needles, and shows a hint of reddish brown in its bark and forming cones.

		Each
5 to 6 feet		\$ 6.50
6 to 8 feet		10.00
8 to 10 feet		12.00

RETINOSPORA JAPAN
CYPRESS

Pisifera. Open and tall in growth, with erect branches pendulous at tips; foliage lacy, light green, glaucous beneath.

		Each			Each
1½ to 2	feet	\$2.00	2½ to 3 feet		\$3.00
2 to 2½	feet	2.50	3 to 4 feet		3.50

Pisifera Aurea. The same gracious form as the above, but colored a bright, retained golden yellow.

		Each			Each
1½ to 2 feet		\$2.50	4 to 5 feet		\$5.00
3 to 4 feet		4.00			

Plumosa. A handsome, cone-shaped evergreen of medium tall growth, with billowing, feathery, light green foliage.

		Each			Each
1½ to 2 feet		\$2.00	3 to 4 feet		\$3.50

Plumosa aurea. Like the preceding, a tree of great beauty; foliage soft plumelike golden yellow, close and compact.

		Each			Each
1½ to 2 feet		\$2.25	2½ to 3 feet		\$3.25
2 to 2½ feet		2.75	4 to 5 feet		4.50

Squarrosa Veitchi (Gray Cypress). Dense, rounded, bubbling growth; the silvery blue foliage arranged in soft feathery spirals. Best adapted to semi-shade.

		Each			Each
2 to 2½ feet		\$2.25	3 to 4 feet		\$3.25
2½ to 3 feet		2.75			

SPRUCE {Picea}

Spruces have the stiffest, hardest-coated needles; which quite efficiently protect the trees from absorbing too much dust, smoke and gas between cleansing rains.

American White (P. alba). One of the very best conifers, especially for cold climates. Compact, upright growing, long lived, retaining its branches to the ground, aromatic, drought-resisting; varies in color from light green to glaucous blue.

Each		Each	
2 to 2½ feet	\$2.00	3 to 4 feet	\$3.00
2½ to 3 feet	2.50	4 to 5 feet	4.50

Black Hills (P. Albertiana). Closely related to White Spruce, but refined and hardened by centuries of development within the rigorous conditions of the Black Hills. A sturdy, symmetrical, compact, rounded shape continuous from infancy to maturity. The color is brightly fresh, variably green to strong blue.

Each		Each	
1½ to 2 feet	\$2.00	3 to 4 feet	\$4.00
2 to 2½ feet	2.50		

Colorado (P. pungens). The origin of the famous Blue Spruce. A vigorous grower and hardy, making fine specimens in a broad based, sharply defined pyramid form; foliage rigidly angular with sharp needles very densely set. **Light green** color.

Each		Each	
2½ to 3 feet	\$2.25	4 to 5 feet	\$4.00
3 to 4 feet	3.25	5 to 6 feet	5.00

Norway A lofty, noble tree of open, pyramidal habit, exceedingly picturesque. Very popular and effective in evergreen groups, and one of the best evergreens for hedges.

		Each	6
1½ to 2 feet		\$1.20	\$ 6.00
2 to 2½ feet		1.50	7.50
2½ to 3 feet		1.90	9.50
3 to 4 feet		2.50	12.50
4 to 5 feet		3.00	15.00
5 to 6 feet		4.50	22.50

Tiger Tail (A. Polita). A dense, broad pyramid with stout, rigid branches and spiny foliage which gives the tree a formal and substantial appearance. Color shiny, yellowish green.

Each		Each	
2 to 2½ feet	\$4.00	3 to 4 feet	\$5.50
2½ to 3 feet	4.75	4 to 5 feet	7.00



Taxus Cuspidata Brevifolia

YEW {Taxus}

Cuspidata Capitata. The beautiful Upright Japanese Yew of moderate bushy growth, the upright-spreading branches densely clothed with short leaves of dull green.

Each		Each	
1½ to 2 feet	\$3.00	2½ to 3 feet	\$5.00
2 to 2½ feet	4.00	3 to 4 feet	7.00

Cuspidata Brevifolia. Dwarf and compact, with short, richly dark green leaves, dense bushy habit. Hardy, close set, slow-growing; one of the best dwarf evergreens.

Each		Each	
15 to 18 inches	\$3.00	2 to 2½ feet	\$5.50
18 to 24 inches	3.75		

Media Hicksi. A beautiful, dense columnar form.

Each		Each	
15 to 18 inches	\$2.50	2 to 2½ feet	\$4.00
18 to 24 inches	3.00		



Colorado Blue Spruce

Selected BLUE SPRUCES

Colorado Blue

Select (P. pungens glauca). A selected blue shade, from Picea pungens. This is one of the showiest and most impressive evergreens, surpassed only by the grafted Koster's Blue Spruce. The blue shade usually improves with age. Each 1½-2 ft.. \$2.50 2 -2½ ft.. 3.25 2½-3 ft.. 4.00 3 -4 ft.. 5.00 4 -5 ft.. 7.00

Engelmann

Blue. A color selection of shiny steel-blue foliage. Tall growing pyramids, slender when young, dense in

Each		Each	
4 to 5 feet	\$5.00		
5 to 6 feet	6.50		

Koster's Blue Grafted

The aristocrat of the evergreen family; expressing the nearest to perfection in symmetry, uniform development and broadly pyramidal grace. Its color is the truest, most persistent blue found in any known tree. Each

Each		Each	
2 to 2½ feet	\$4.75	4 to 5 feet	\$10.00
2½ to 3 feet	5.50	5 to 6 feet	15.00
3 to 4 feet	7.00		



Norway Spruce Set as a "Living Christmas Tree"

FRUIT TREES

Highest Quality True to Name

85 YEARS the Storrs & Harrison Co. has been growing and furnishing first quality, true-to-name Fruit Trees to American orchardists and homeowners; and enjoys an unimpeached reputation for reliability and fairness. That is your protection. Our legal protection is claimed in the Non-Warranty clause on introductory page.



Three Colors—Red, Quick Red, and Yellow



Duchess of Oldenburg



McIntosh—Mother of Many

QUOTATIONS. We would be pleased to quote prices to anyone desiring different varieties or stock in larger quantities than offered herein. In sending list, state definitely the number of each variety and size wanted.

CERTIFICATE OF INSPECTION, issued annually by the Ohio Department of Agriculture, showing freedom of our stock from San Jose Scale and other injurious insects and disease, will be attached to every shipment.

SUBSTITUTION. We reserve the right, in case we are out of a variety, to substitute another of equal merit when it can be done (always labeling with correct name)—unless the party ordering says, "No Substituting," in which case we will fill order as completely as we can and refund balance of remittance.

PRICES in this department are for Express, Freight, or other delivery, at customer's expense; except where specially offered in Mail Size, postpaid.

✓ APPLES Set Trees 40 Feet Apart, Each Way

Price of All Apples:	Each	10	100
5 to 7 feet	\$0.80	\$7.50	\$65.00
4 to 5 feet .....	.70	6.00	50.00

SUMMER

Bough. Large, pale yellow; tender, sweet. August.
Early Harvest. Medium, pale yellow, tender, juicy.
Melba. A new Central Canadian introduction, resembling McIntosh in aroma, flesh and flavor; but of different shape, with attractive red-stripe color. August.
Red Astrachan. Large, beautiful deep crimson, striped.
Yellow Transparent. Earliest and best of the early kinds; white, tender, juicy, sprightly, sub-acid.

AUTUMN

Duchess of Oldenburg. Good size, yellow, streaked red, juicy, rich, sub-acid, productive. Bears young.
Early McIntosh. Later than Melba, ahead of all other varieties of this great apple type.
Gravenstein. Large, striped, fine quality; August.
Maiden Blush. Large, beautiful blush cheek.
Rambo. Medium, yellow, streaked red.
Western Beauty. Pale yellow, shaded bright red. Large, crisp, tender, mild sub-acid. September.

WINTER

Baldwin. Large, bright red, crisp, juicy, rich.
Banana. Early bearer. Yellow shaded bright crimson; flesh fine grained, rich sub-acid, aromatic, highest quality.
Cortland. A derivation from McIntosh; two weeks later. Fruits large, round, with heavy overlay of shaded reds; brittle texture, luscious juiciness, with sprightly flavor.
Delicious. Fruit large, dark red, flesh fine grained, crisp and melting, juicy with a delightful aroma; annual bearer.
Gallia Beauty (Red Rome Beauty). All-over red, an improvement in appearance; otherwise similar to type.
Grimes Golden. Yellow, productive, of highest quality.
Jonathan. Medium, red, extra quality.
King (of Tompkins County). Large, striped, productive. Early.
Macoun. Latest of the McIntosh strain; dark red with less striping, and heavier bloom.
McIntosh. Deep crimson, highest quality, juicy, sub-acid.
Northern Spy. Large, striped, mild sub-acid, rich, and tender, with a rich, delicious flavor.
Red Delicious. A segregated strain of the popular Delicious, coloring sooner to rich solid red.
Red Northern Spy. A distinct new type; solid red which increases its market appeal. December.
Rhode Island Greening. Large, greenish yellow, rich acid.
Rome Beauty. Yellow, shaded red; tender, juicy, sub-acid.
Stayman. Improved Winesap, larger and more prolific.
Tolman Sweet. Medium, yellow and red, rich. November.
Wagener. Good size, deep red in the sun; flesh firm, sub-acid, excellent quality. One of the first varieties to bear.
Wealthy. White fleshed, juicy and vinous; medium size, smooth, round, deep red. September.
Yellow Delicious. Same delicious qualities, except the color is a clear, bright yellow.

CRAB APPLES

Hyslop Crab. Large round fruits; deep crimson; one of the most popular Crabs for jelly. October to January.
Whitney Crab. One of the largest, glossy green, heavily splashed carmine, firm, juicy, pleasant, great bearer; excellent for cider. August.

It Pays
to Grow
Peaches

PEACHES

Set Trees
16 to 18 Feet
Apart

PRICE (Standard sorts below):	Each	10	100
4 to 5 feet	\$0.45	\$3.50	\$30.00
3 to 4 feet .....	.35	3.00	25.00

- Admiral Dewey.** Best early yellow freestone. July.
- Banner.** Crimson cheek; yellow, rich, firm. Late September.
- Beers' Smock.** Choice late yellow; annual bearer.
- Belle of Georgia.** Skin white with red cheek; flesh white, firm and of excellent flavor, very prolific. Early Sept.
- Capt. Ede.** Handsome, large, yellow. Early September.
- Carman.** Large, creamy white with deep blush; skin tough, flesh tender, fine flavor and quite juicy. August.
- Champion.** An extremely large, handsome early variety, creamy white with red cheek, sweet, rich and juicy. August.
- Crawford, Early.** A large yellow quality peach. September.
- Crawford, Late.** A superb, large yellow Peach. Late Sept.
- Crosby.** One of the hardiest; abundant, medium, bright yellow, fine quality. Middle September.
- Cumberland** A seedling crossed with Greensboro. This fine, oval, white-fleshed, almost freestone peach is larger than Belle, and 5 days earlier than Carman.
- Early Elberta.** Ripens about a week earlier than Elberta.
- Eclipse** A self-pollenized seedling of Belle, but the flesh is yellow, of firm texture and delicious flavor, good-sized oval in shape, freestone. The coloring is dark red. Fruit hangs well on the tree, and is an excellent shipper.
- Elberta.** Large, yellow, with red cheek; flesh yellow, firm, juicy, of high quality. Exceedingly prolific, sure bearer and hardy. The standard market variety. September 15th.
- Engle's Mammoth.** Large, yellow; resembles Late Crawford but is more productive, bears earlier and younger. Sept.
- Fitzgerald.** Large; deep yellow, best quality. Sept.
- Gold Drop.** Medium size, hardy, very productive, refreshing quality, early bearer. Golden skin and flesh. September.
- Golden Jubilee** A choice recent introduction by the New Jersey Experiment Station. Tree habits and fruit resemble Elberta; but fruit ripens a few days before Carman. The skin is yellow with red blush; flesh golden yellow, juicy, tender, sweet, and freestone.
- Greensboro.** Flesh white, juicy and good. July.
- Hale-Haven** A large new yellow freestone; developed at Michigan Experiment Station, by crossing the two popular varieties, J. H. Hale and South Haven. Its high color even before complete ripening, gives it great market value because of the advantage of premature picking, packing, and shipping without loss. September 1st.
- Heath Cling.** Very large, flesh white, juicy and melting. Good keeper and shipper. October.
- J. H. Hale.** A choice variety, larger than Elberta, and five days earlier, with superior flavor. Color a beautiful golden yellow, with deep carmine blush. A good shipper.
- Kalamazoo.** Large, yellow, extra productive. Early Sept.
- Lemon Cling.** Large, pale yellow, dark red cheek. Sept.



- Lemon Free.** Lemon-shaped and color, large size, immensely productive, superior canning quality. September.
- Mayflower.** Bright red cheeked, the only July peach that is well colored. Inclined to overbear; should always be thinned.
- Mountain Rose.** Large, red, flesh white, juicy. August.
- Niagara.** Yellow; surpassing both Elberta and Crawford in size, color, quality, and vigor; ripening between.
- Oriole** Notable as an early Peach of high quality, ripening first week in August. Fruit is roundish, medium to large, yellow color, yellow flesh, freestone.
- Radiance** A large, oval, white-fleshed freestone, similar in form to Belle of Georgia. It is a nicely flavored fruit of good texture, ripening with Carman.
- Salberta.** The general character and quality of Elberta with Salwey's more profitable two weeks later picking.
- Salwey.** Large, creamy yellow, juicy, rich, sweet. October.
- Shipper's Late Red** A new peach of large round shape, beautifully surfaced with red, tenacious. Flesh yellow, sweet, juicy, and of pleasing flavor.
- South Haven** Immediately preceding Elberta, it is better than average size, globular, prolific, with dependably recurring crops. Its meat is yellow, juicy and delicious; cheek yellow with one red blotch.
- Stump.** Large, white, bright red cheek. End of September.
- Sure Crop** A luscious new yellow peach; of large size, with extra clear skin attractively blushed. A dependable heavy and annual cropper.
- Triumph.** Ripens with Alexander, blooms late, sure and abundant bearer. Fruit good size, yellow with red-crimson cheek.
- Vedette** A new Ontario peach, on vigorous, hardy and productive trees. Fruits round, medium size, attractive; flesh yellow, coarse, fairly firm, of excellent quality, late August.
- Veteran** (New). Another Elberta type, more globular; large, yellow, free, of much superior quality. About September 5th.
- Wilma** The fruit is large as Elberta, its parent, but not quite so elongated; ripens about 10 days later.
- Yellow St. John.** One of the earliest yellow peaches. Aug.

Attention Orchardists!

Rio Oso Gem Ripens about 10 days after J. H. Hale, during that period when there are few good peaches on the market. This new peach has the extreme large size of J. H. Hale, is more highly colored, of finer-grained texture, firmer, and of better general quality. The Storrs & Harrison Co. is specially licensed by the patent owner, to grow and distribute this fine new yellow freestone peach; but to eight states only, viz.: Ohio, Indiana, Illinois, Michigan, Iowa, Minnesota, Missouri, and Wisconsin.

All propagating rights are fully protected by U. S. Plant Patent.

PRICE	Each	10	100	GET YOURS NOW!
3 1/2 ft. and up	\$0.75	\$6.00	\$50.00	
3 to 3 1/2 ft. ....	.65	5.00	40.00
2 to 3 ft. ....	.60	4.50	35.00



Hungaria's Best Apricot

APRICOTS

Ripen between Cherries and Peaches. Should be planted on a northern or western exposure to prevent early blooming. The Russian (R) varieties are hardiest.

PRICE:	Each	10	Set Trees
3 to 4 ft.	\$0.50	\$4.00	16 to 18
2 to 3 ft. ....	.40	3.00	feet apart

Alexander. (R). Early freestone; orange with red blush.

Early Golden. Small, pale orange, juicy and sweet.

Hungaria's Best. Original tree of this has not failed in bearing throughout a long term of years, thus insuring us of its hardiness. Valuable to us of the North, who appreciate growing our own Apricots. Tree grows to immense size, the fruit large and of good quality, beautifully colored a deep yellow, with yellow flesh, very fine flavor. Plant trees 25 to 30 feet apart.

Moorpark. Yellow, with red cheek; juicy, sweet and rich.

Superb. (R.) Hardy and sure crop. The best flavored, most productive Russian. Medium size, light salmon color.

NECTARINES

Size, and a smooth skin like the Plum, and like the Peach in other ways, melting, of juicy texture, and delicious flavor.

PRICE:	Each	10
4 to 5 ft.	\$0.65	\$5.50
3 to 4 ft. ....	.50	4.50

Boston. Bright yellow, red cheek; flesh yellow.

Red Roman. Greenish yellow, red cheek; flesh golden.



Napoleon—Sweet Cherries



Large Montmorency Cherries (Sour)

CHERRIES

The compact shapeliness of Cherry trees, their glossy foliage, and spring glory of clustered blossoms, gives them ornamental value even in the lawn.

The trees are naturally hardy, succeeding best on sandy or gravelly loam, well drained. Avoid low or wet ground. Sweet varieties grow more rapidly and make larger pyramidal trees. Set trees 18 to 20 ft. apart. The Sour varieties are dwarf and bushy, bear earlier, and are more largely planted. Set trees 15 to 18 ft. apart.

SWEET CHERRIES

PRICE OF SWEET CHERRIES:	Each	10	100
5 to 7 ft.	\$0.90	\$8.50	\$75.00
4 to 5 ft. ....	.80	7.50	65.00

Bing. Very large, dark brown—almost black; flesh firm, sweet, rich, delicious. One of the most profitable. July.

Black Tartarian. Very large, black, juicy, rich. Last of June.

Gov. Wood. Large, light red, juicy, rich, delicious. Tree healthy and productive. June.

Lambert. Jet black when fully ripe. Flesh firm, solid, rich and juicy. Tree rugged, strong grower, hardy, enormous bearer. Late July.

Napoleon. (Queen Anne). Large, pale yellow, almost white, with at least one red cheek; firm, juicy, sweet and productive. July. A choice canning variety, holding firm and beautiful behind the glass.

Schmidt. Immense size, deep black, flesh dark, tender, very juicy, fine flavor; productive. July.

Windsor. Fruit large, liver-colored, distinct; flesh remarkably firm and of fine quality. Tree hardy and prolific. A valuable late variety. July.

Yellow Spanish. Large, yellow with red blush. June.

SOUR CHERRIES

TWO KINDS BELOW:	Each	10	100
4 to 5 ft.	\$0.90	\$8.50	\$75.00
3 to 4 ft. ....	.80	7.50	65.00
2 to 3 ft. ....	.70	6.50	55.00

Early Richmond. Medium, dark red, melting, juicy, sprightly, rich acid, best. A dependable cropper. June.

Large Montmorency. Large, red, productive, ten days later than Early Richmond. Late June.

FIVE KINDS BELOW:	Each	10	100
3 to 4 ft.	\$0.80	\$7.50	\$65.00
2 to 3 ft. ....	.70	6.50	55.00

English Morello. Fair size, blackish red, rich acid, juicy, good. The best very late variety. August.

Late Duke. Large, light red. July.

May Duke. Large, red, juicy, rich; its acidity pleasantly tempered to the advantage of sensitive teeth. June.

Reine Hortense. Large, bright red, juicy; mildest and sweetest in this class. July.

Wragg. Very hardy, vigorous and productive, medium dark purple, fine quality. August. The latest cherry.



PEARS

Will grow on almost any good soil but thrive best in a rather heavy clay or loam. Standards planted 18 to 20 feet apart, are best for permanent orchards.

Price of Standard Pears—	Each	10	100
5 to 7 ft.	\$0.80	\$7.50	\$65.00
4 to 5 ft. ....	.70	6.00	50.00

SUMMER

- Bartlett.** Large, buttery, juicy, high-flavored, great bearer; very popular both for eating out of the hand and for canning. August and September.
- Clapp.** Very large, yellow and dull red, with russet specks. Melting, rich. August.
- Tyson.** Medium, melting, juicy, good. August.
- Wilder.** Small to medium, yellow, shaded carmine, fine grained, tender, sub-acid. Vigorous grower. Early August.

AUTUMN AND WINTER

- Anjou.** Large, buttery, melting, rich, vinous. Late fall and early winter variety. October to January.
- Beurre Bosc.** Finest quality late fall and winter variety. Large, long and tapering; russet; good shipper, brings highest market price. A vigorous grower. November-December.
- Cayuga** Derived from Seckel, resembling its parent in shape, color and delectable sweet flavor. Size compares with Bartlett. Flesh firm, fine-grained quite to the center.
- Conference** An English pear, rating with them much the same as Bartlett rates with us. Fruits average 3½x2½ inches; the skin beautiful in greenish yellow with russet markings. Flesh fine-grained, white, very juicy, with rich flavor. Cellar storage keeps into November.
- Duchess** (of Angouleme). Very large, buttery, rich, juicy. Pick them before maturity, wrap in tissue paper, and rack away for complete ripening. October and November.

- Douglas** A recent introduction of supreme value to fruit-growers, because it is "blight proof" and "frost-proof." Otherwise, the fruit is large, roundish, smooth, of attractive beauty. Its thin but protective skin is golden yellow flecked with russet, and thickly blushed scarlet on the sunny side. Flesh whitish, fine grained, tender; a small core with few seeds. Flavor sweet but with a piquant acidity.
- Flemish Beauty.** Large, juicy, rich; one of the hardiest trees and most enjoyable fruits. September-October.
- Garber.** One of the Japan Hybrids; hardy, productive, early bearer. September-October.
- Gorham** Recently introduced by the N. Y. Exp. Station. Of Bartlett type and form, ripening 2 weeks earlier, but keeping a month longer. Smooth, fine russet skin; rich flavor and pleasing aroma.
- Howell.** Large, yellow, with red cheek, rich, sweet, melting, early bearer, productive. September-October.
- Kieffer.** Large size, handsome appearance, and remarkable keeping and shipping qualities. October-November.
- Lawrence.** Medium yellow with brown dots, melting, pleasant, aromatic. November-December.
- Rossney.** Large fruits; creamy skin and crimson blush; flesh melting.
- Seckel.** Small, skin yellowish brown with brownish red cheek; flesh fine grained, sweet, richest and highest flavor. September-October.
- Sheldon.** Medium size, yellow, with a richly shaded cheek; flesh a little coarse, melting, juicy, with a very brisk flavor. October.
- Worden.** A seedling of the Seckel, but larger and richer. Hardy and an enormous bearer. October.

Cope's Seedless Pear U. S. Plant Patent applied for.

This remarkable new introduction adds a new chapter to achievement in fruit raising. The original tree bore 3 bushels of very good fruit at 6 years of age. To date, no blight nor other defect has affected this tree or its progeny, nor the fruit. Smoothly surfaced, uniformly shaped in the pleasing type of Bartlett; as big as that variety or bigger. The color a beautiful yellow flushed pink. The flesh of best character, ripening firm throughout. No seeds, no core. This is a tremendous advantage for all usage; adding the unique feature of being served as a half of the delicious ripe fresh fruit for eating with a spoon—like Honey Dew Muskmelon. (See back cover.)

PRICE:	Each	10
5 to 7 feet	\$2.50	\$22.50
3 to 5 feet	1.50	14.00

DWARF PEARS

Dwarf Pears save space and bear younger. Best for small lot or garden. In planting, cover the junction of Pear and Quince, by 2 or 3 inches.

PRICE:	Each	10	100
Set Dwarf Pear Trees 4 to 5 ft.	\$0.80	\$7.50	\$65.00
10 feet apart. 3 to 4 ft. ....	.70	6.00	50.00

VARIETIES: Anjou, Bartlett, Clapp, Duchess, Flemish Beauty and Seckel.

EXTRA!

8

Year Old Pear Trees,

10 feet and up, 2- to 3½-inch caliper:

- Clapp's
Favorite
Duchess
Garber
Rossney
Seckel
Tyson
Wilder

\$5.00 each
\$45.00 per 10.



Seckel—the "Sugar Pear"



Japanese Plum—Burbank

PLUMS

Annual sprayings with Bordeaux mixture keep away the leaf and fungus, and the thinning of too heavy crops of fruit prevents fruit rot. Plum trees are the best kind to set out in chicken yards; their full, rounded form furnishing abundant shade for the fowls. Set trees 16 to 20 feet apart.

PRICE OF PLUMS

	Each	10	100
5 to 6 ft.	\$0.80	\$7.50	\$65.00
4 to 5 ft. ....	.70	6.00	50.00

EUROPEAN PLUMS

Bradshaw. Large, dark red, flesh green, juicy. August.

French Damson. Average size, roundish oval; seed small, blue, excellent quality.

Grand Duke. Very large, fine quality, dark red. Last Sept.

Imperial Gage. Large, pale green, juicy, sweet, rich and excellent. August.

Lombard. Medium, violet-red, juicy, good, hardy and productive, the leading market variety. August.

Monarch. Very large, oval, purplish blue, freestone. October.

Shipper's Pride. Large, dark purple; often measures 2 inches in diameter; fine, juicy and sweet. September.

Yellow Egg. Very large, egg-shaped, productive. August.

JAPAN OR ORIENTAL PLUMS

Japan Plums are strong, quick-growing and adapted to all kinds of soils; extra hardy, early, and sure croppers.

Abundance (Botan). Hardy and productive. Fruit large, pinkish red, with heavy bloom; good quality. August.

Burbank. Tree round, sprawling, productive, bears young. Fruit round, excellent; cherry-red with lilac bloom.

Red June. Fair size, vermilion-red; pleasant quality. August.

Victory A new Japanese variety; upright, spreading, and thrifty. Fruit attractive, unusually large, distinctly pointed, with dark red flesh of excellent quality; ripens unevenly, so that the picking season is desirably prolonged.

Wickson. September. Fruit large, long heart-shaped, color deep maroon-red covered with white bloom; flesh firm and meaty, yellow, rich and aromatic; cling; pit small.

PRUNES

German Prune. Large, dark purple, sweet, good. One of the most desirable and popular for canning. September.

Italian Prune. Good size, purple, juicy, delicious, fine for drying. September.

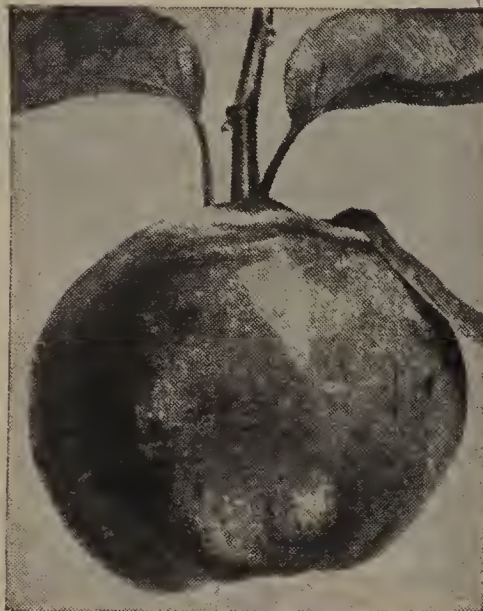
Stanley A new hybrid between a new prune and the giant Grand Duke. A good cropper, it has already become popular both as a commercial item, and in the home orchard. Of good plump size in typical elongated prune form; dark blue with a thick bloom. The flesh is fine-grained and juicy, sweet, and uniquely of pleasant flavor to eat from the hand. For canning, it requires only about half the usual amount of sugar.

MULBERRY

The Mulberry tree is rugged and ornamental, whether or not you care for the voluptuous sweet fruits, the robber-birds love them. A nearby crop of Mulberries may save your early Cherries and Strawberries.

	Each	10
4 to 5 ft.	\$0.80	\$7.00
3 to 4 ft. ....	.70	6.00

New American Equal to Downing in all respects, and a much hardier tree. Vigorous grower, very productive; the best variety for fruit; ripe from middle June to September.



Orange Quince

QUINCE

Set trees 10 to 12 feet apart.

The valuable fruits are quite fragrant, and the trees and bloom highly ornamental.

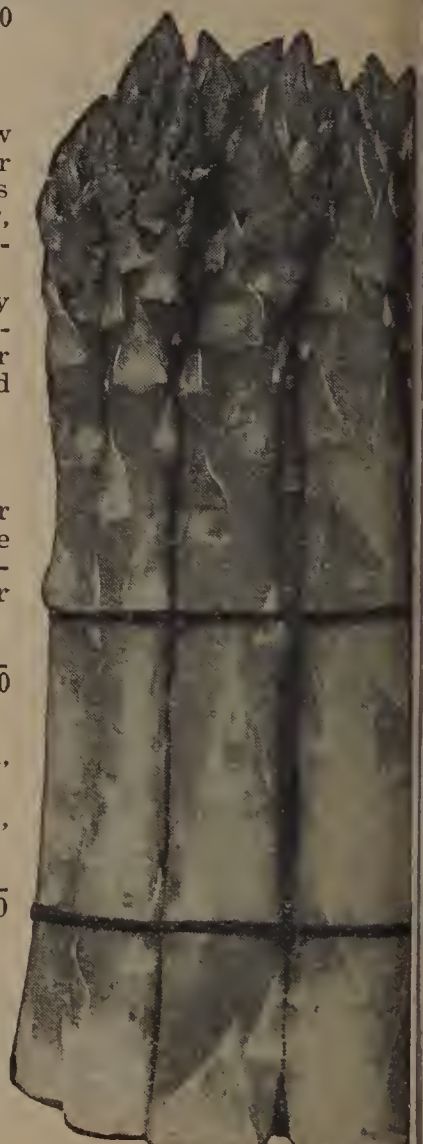
	Each	10	100
4 to 5 ft.	\$0.80	\$7.50	\$65.00
3 to 4 ft. ....	.70	6.00	50.00

Orange Large, bright yellow, of excellent flavor. October.

Champion Largest, oval, greenish. Ripens late.

ASPARAGUS

A small bed of them kept weed-free, or a border along the garden edge, will supply the average table for 6 weeks or more in late spring. In planting, make soil rich, dig trench, set 12 to 18 inches apart, roots spread out, crown 2 inches below surface; and tamp in returned soil firmly.



	25	100	1000
Express—2-yr.	\$0.80	\$1.95	\$10.50
“ 1-yr. ....	.55	1.50	8.00
Mail, ppd.—			
2-yr.	1.00	2.50	
1-yr. ....	.70	2.00	

Martha Washington. A new rust-resistant Asparagus. For the home or market, it stands ahead of all others in size, vigor, tenderness, quality, and rust-resistance.

Mary Washington. Same family and character, equally rust-resistant, but somewhat earlier and larger, with stalks inclined to oval shape.

RHUBARB or “Pie-plant”

Linnaeus. Large, early, tender and fine. The old reliable pie kind. Can the surplus for winter use; it comes in handy for pies of summer freshness.

	3	10	100
Express	\$0.50	\$1.25	\$6.90
By mail ....	.75	1.75	

Flare A choice new kind, red, well worth trying.

Ruby. A Canadian introduction, ruby-red, low acidity.

	3	10	100
Express	\$0.75	\$1.50	\$9.00
By mail	1.00	2.00	

HORSERADISH

Maliner Kren. A cultivated strain of profitable productivity. Make no mistake; this variety oites! By mail, postpaid: 10 for 50c; \$3.00 per 100.

Small Fruits Section

CULTURE Bramble fruit like blackberries, raspberries, etc., should have all old wood (older than the previous season's growth) cut out close to the ground each spring and the past season's growth should be trimmed back to 3 or 4 feet in height. All of the old canes should be removed and burned.

Mulching of currants and gooseberries will give good results. A strawberry bed should have a light coating two inches deep of coarse hay, or straw that is free from weed seed, after the ground has just frozen; and in the spring just about the time growth starts, this covering should be raked between the rows and allowed to remain there until the fruit has been harvested. Then it should be removed and cultivation be resumed.



Red Lake Currant

CURRENTS

Hardy, easily cultivated; popular for table use, jellies, etc. Set 4 feet apart in rich ground; cultivate well and prune out old wood. Dust with hellebore, for worms.

Price of Currants:	By Express Collect			By Mail Postpaid	
	3	10	100	3	10
Cherry, 2 years	\$0.85	\$2.25	\$18.00	\$1.00	\$2.50
Diploma, 2 years .....	.....	.....	.....	1.35	3.00
Fay, 2 years .....	.85	2.25	18.00	1.00	2.50
Perfection, 2 years	1.15	2.75	22.00	1.35	3.00
Red Cross, 2 years .....	.85	2.25	18.00	1.00	2.50
Red Lake, 2 years	1.50	3.75	32.50	1.65	4.00
Wilder, 2 years .....	.85	2.25	18.00	1.00	2.50



Perfection Currants

- Cherry.** Very large bright red fruit with thin skins.
- Diploma** A very good Currant bearing abundantly in midseason. Currants rather large, light red, with a pleasing mild flavor.
- Fay.** Uniform, easily picked, exceedingly productive.
- Perfection.** Very large; superior bearer, less acid and of better quality than any other large currant in cultivation.
- Red Cross.** Large size, long clusters, mild flavor.
- Red Lake** An outstanding new introduction from Minnesota. The berries are extra large and the bunches long and well filled to the tip. The exceptionally long stems make them easy to pick. The bushes are thrifty and extremely productive. It's easy to grow and you will enjoy picking the long bunches. Ripens early midseason, but holds on over a long period so it can be used or marketed as desired.
- Wilder.** Bunch and berries very large; moderate acidity. An immense yielder, always dependable.

GOOSEBERRIES



Set 3 to 4 feet apart, in good rich soil, and give a liberal dressing of manure every season. Regular pruning every year is essential. To prevent mildew spray bushes soon as leaves appear and several times during the summer with potassium sulphide (liver of sulphur)—one ounce to four gallons of water.

Price of Gooseberries:	By Express Collect			By Mail Postpaid	
	3	10	100	3	10
All: 2 years	\$0.90	\$2.50	\$18.00	\$1.10	\$2.75

- Downing.** Large, pale green, of splendid quality for both cooking and table use; bush vigorous and usually free from mildew.
- Houghton.** Small to medium; roundish, oval, pale red, sweet, tender, very good.
- Josselyn.** Large sized, smooth, prolific and hardy, red berries of best quality. The freest from mildew.

S & H GRAPE VINES

The Quick, Sure, Profitable Annual Crop

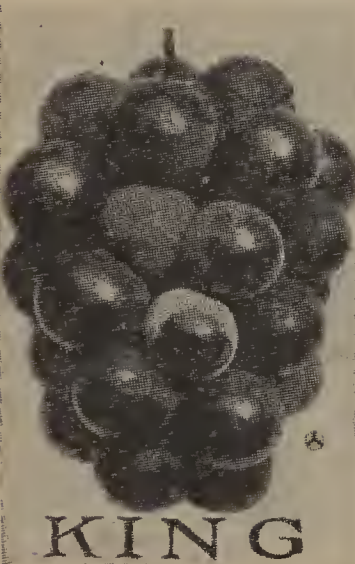
Even under unfavorable conditions the grape vine will bear fruit, but good culture, pruning and spraying should be applied if the best quality of fruit is desired. Along almost any garden fence or walk there is room for vines enough to furnish luscious grapes from July to November. In such situations they may be planted about 8 feet apart. In vineyard rows, set the vines 6 to 10 feet apart, with 8 feet between rows.



CACO



DELAWARE



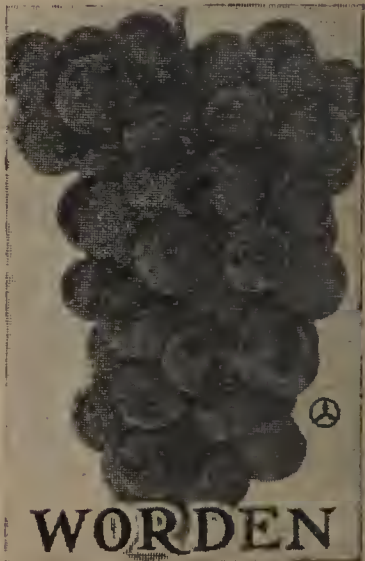
KING



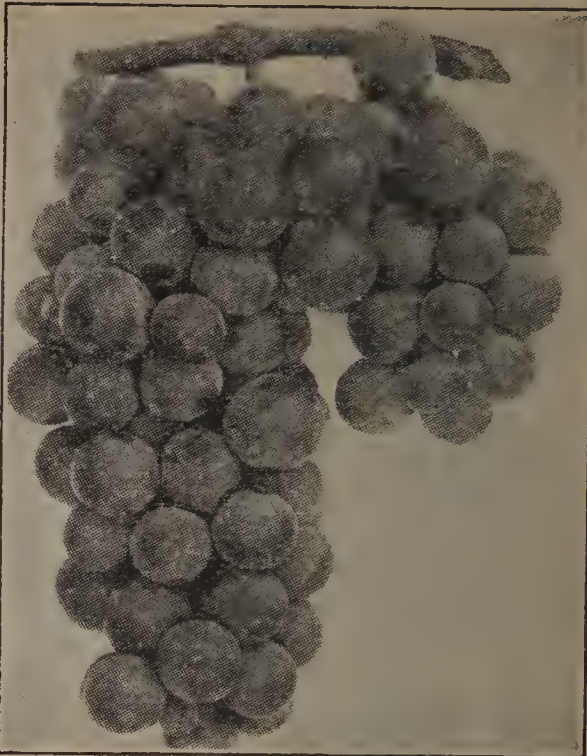
NIAGARA



Portland



WORDEN



Concord

BLACK GRAPES

- Beta** The hardiest known variety for Minnesota and Wisconsin; very early, ripening there before frosts. Medium size, black, juicy, high acidity.
- Campbell's Early.** Sweet and juicy, seeds few and small, very early.
- Concord.** The standard black, everywhere. Oct. 1st.
- Fredonia.** Blue-black, covered with heavy bloom, about same season as Moore's. Good commercial quality. Vines vigorous and productive.
- Ives.** Berries and compact bunches medium size; excellent wine quality.
- King.** Ripening between Worden and Concord, same color, grape extremely large, cluster larger and more compact.
- Moore's Early.** Bunch and berry large; desirable for earliness.
- Worden.** Larger, sweeter and earlier than Concord.

RED or AMBER

- Agawam.** Very large, with thick skin; sweet and sprightly.
- Brighton.** Bunch large; excellent flavor and quality; early.
- Caco** Fruit very large in hand—some complete bunches; a rich wine-red over amber. Exceptionally early bearing. Its flavor is luscious and sweet.
- Catawba.** Large, dark copper, rich musky flavor; late.
- Delaware.** Bunches and berries are small, but compactly set, light red, with violet bloom; sugary and delicious; early.
- Lindley.** Berries medium to large; flesh tender, sweet and aromatic; ripens early.
- Salem.** Large, sweet, thin skin; ripens first of September.

WHITE GRAPES

- Diamond.** Early, ripening before Moore. White, with yellow tinge; juicy; few seeds, excellent quality.
- Green Mountain (Winchell).** An extra early variety from Vermont. Skin thin, pulp tender and sweet, quality superb.
- Niagara.** Bunch and berries large, yellowish white; prolific. The standard white grape.
- Pocklington.** Light golden yellow; juicy, tender, sweet.
- Portland** A recently introduced white Grape from New York; claimed to be the very earliest Grape.

Family Grape Offer To fit across your back lot line. Two each: Blue, Red and White,—our selection of varieties, 2-year-old vines. By Mail, Postpaid..... **6 for \$1.35**

		5 at ten rate. 25 at hundred rate. 250 at thousand rate.			Each By Mail			By Express or Freight—Collect		
					10	100	1000	10	100	1000
Agawam	.....2 years....				\$0.25	\$1.75	\$10.00			
Beta	.....2 years....				.25	1.75	10.00			
Brighton	.....2 years....				.30	1.90	12.00			
Caco	.....2 years....				.35	2.50	20.00			
Campbell's Early	.....2 years....				.30	1.90	12.00			
Catawba	.....2 years....				.30	1.75	10.00	90.00		
Concord	.....2 years....				.25	1.25	7.50	60.00		
Delaware	.....2 years....				.30	1.90	12.00			
Diamond	.....2 years....				.30	1.90	12.00			
Fredonia	.....2 years....				.35	2.50	20.00			
Green Mountain	.....2 years....				.35	2.25	18.00			
Ives	.....2 years....				.30	2.00	14.00			
King	.....2 years....				.35	2.50	20.00			
Lindley	.....2 years....				.30	1.90	12.00			
Moore's Early	.....2 years....				.30	1.90	12.00			
Niagara	.....2 years....				.30	1.35	9.00	80.00		
Pocklington	.....2 years....				.35	2.25	18.00			
Portland	.....2 years....				.35	2.50	20.00			
Salem	.....2 years....				.30	1.90	12.00			
Worden	.....2 years....				.30	1.90	12.00			

BLACKBERRIES

Plant rows 6 feet apart, 3 to 5 feet in the row. Pinch canes back when they have reached 4 feet in height.

PRICES:	By Mail		By Exp. or Frt.		
	Postpaid		—Collect		
	10	100	10	100	1000
Blowers	\$0.85	\$5.00	\$0.60	\$4.25	\$30.00
Eldorado .....	.85	5.00	.60	4.25	30.00
Early Harvest .....	.85	5.00	.60	4.25	30.00
Mersereau .....	.85	5.00	.60	4.25	30.00
Snyder .....	.85	5.00	.60	4.25	30.00

Blowers. Claimed to be the hardiest and most productive. Large size, jet black, good shipper, best quality.

Early Harvest. Not hardy in the north and needs winter protection. Dwarf grower, enormous bearer, very early. Particularly good for the South.

Eldorado. Hardy; berries large, jet black borne in large clusters, and ripen well together; they are very sweet, melting and pleasing to the taste; have no hard core, and keep eight or ten days after picking with quality unimpaired.

Mersereau. Strong grower; upright, stout, stocky canes. An enormous producer of extra size berries which are brilliant black and retain their color under all conditions; sweet, rich, melting, without core.

Snyder. Enormously productive, medium, sweet, the leading early variety for hardiness.



Eldorado Blackberries



Black Raspberry—Cumberland

BOYSENBERRY (See illustration on back cover)

This recent new development in bramble fruits bears a prodigious crop of berries about two inches long, fat and juicy under the warming sun. These are delectable tid-bits for eating out of the hand, and fine glossy black units for table dessert or canning and have become exceedingly popular prepared as an unfermented autumn cordial. Should be trained on vines (like grapes) in spring; untied, laid down and mulched for winter.

PRICE:	By Mail		By Exp. or Frt.		
	Postpaid		—Collect		
	10	100	10	100	1000
.....	\$1.15	\$7.00	\$0.90	\$6.50	\$55.00

BLACK RASPBERRIES

Set "Blackcaps" 4 to 5 feet apart.

Inasmuch as raspberry appreciation varies radically according to individual tastes—some specially preferring the black ones which others dislike—it is well to provide all types in your family garden. See our listing of Red Raspberries on pages 94 and 95.

Cumberland. Healthy, vigorous, throwing up stout, stocky, well-branched canes that produce immense crops. Fruits very profitable; large, firm. Midseason.

PRICE: Tips—	By Mail		By Exp. or Frt.		
	Postpaid		—Collect		
	10	100	10	100	1000
Cumberland ...	\$0.80	\$4.00	\$0.60	\$3.50	\$24.00

PURPLE RASPBERRIES

The Purple Raspberries run generally larger than either Blacks or Reds, and are very attractive to look at and to eat, but are a little too soft when ripe to ship far. They have more seeds than the reds, but less than the Blacks. Mostly tart and high-flavored. Very popular for jams, preserves, canning and for flavoring.

Price of Purple Raspberries	By Mail		By Express		
	Postpaid		or Freight		
	10	100	10	100	1000
Columbian, tips	\$0.80	\$4.00	\$0.60	\$3.50	\$24.00
Potomac, tips .....	.85	4.50	.65	4.00	28.00
Sodus, tips	1.00	5.50	.75	5.00	40.00

Columbian. Very large, purplish color, rather soft; rich, sprightly flavor, unrivaled for canning, etc. Bush vigorous and productive; immense cropper.

Potomac (New.) Produces a full, heavy crop the second summer after planting. The first ripening is usually in June, continuing about 30 days. Shape of the berry is slightly conical, in heavy clusters; the yield probably the greatest of any raspberry. Berries large, firm, dark purplish red covered with considerable bloom; the flavor very fine. This variety is particularly good for preserving, and has no equal for jelly. Because of such vigorous growth and caning, allow more planting space than for other purples or reds.

Sodus A new purple raspberry finding much favor in several states. The fruit is extra large, of medium purple color, firm, sprightly and of excellent quality, ripening shortly after Latham. Sodus is more resistant to drought than is Columbian and seems practically immune to mosaic disease. The plants are vigorous, very productive and hardy.



The New Potomac—Purple Raspberry

RED RASPBERRIES

Will do well on any soil that will produce a good corn crop. Land should be thoroughly prepared and well enriched; ground bone is one of the best fertilizers. Keep well cultivated and free from weeds and suckers. As soon as they have done bearing cut out the old wood to give more vigor to the young canes. Rows 5 feet apart, plants 3 feet apart in rows.

There is no question about the bright red Raspberries leading the markets in popularity, and bringing the best price. Consequently, experimenters have spent great efforts towards improving the older kinds. Our list offers the very best.

PRICE of Red Raspberries:	By Mail Postpaid		By Express or Freight—Collect		
	10	100	10	100	1000
Chief	\$0.80	\$4.00	\$0.60	\$3.50	\$24.00
Cuthbert .....	.80	4.00	.60	3.50	24.00
Indian Summer	1.10	6.50	.85	6.00	50.00
Latham .....	.80	4.00	.60	3.50	24.00
Marcy	1.25	7.50	.95	7.00	60.00
Newburgh .....	.85	4.50	.65	4.00	28.00
St. Regis .....	.80	4.00	.60	3.50	24.00
Taylor .....	.95	5.00	.70	4.50	35.00

Chief A new product from Minnesota derived from Latham. Chief will not rival Latham, but supplements it by ripening 10 days earlier and so holding that wonderful type of picking an extra long season. In fact, Chief fills the gap for fresh table fruit between strawberries and other raspberries. Bright red, "no crumbling," ships well, tastes delicious, and pays its way with extraordinary crops.



New Red Raspberry—Chief

Cuthbert. Very large, conical berries, measuring 3 inches around, so firm they can be shipped hundreds of miles by rail in good condition; flavor is sweet, rich and luscious.

Marcy This new variety combines several important features which elevate its rating far above older competition. The individual berry is very large, long-conic, firm, thick fleshed, medium red with a bright gloss; mild in flavor and of very good quality. The plants are tall and sturdy, needing no support; bearing great quantities of fruit out in the open to be easily picked. (See illustration on back cover.)

Newburgh A quite new variety which is proving its worth, and becoming popular with the growers. Newburgh is a vigorous grower, hardy and productive. Its berries are large and do not "crumble"; of attractive high color; in quality somewhat superior to Latham which it precedes by a few days. Excellent keeper and shipper.

Taylor The New York Test Reports claim this 1935 introduction to be "the most promising new red Raspberry." It ripens with good bright red color; of long-conical shape, in extreme size. The flesh is thick and firm, with very small seed cavity, and complete lack of crumbling—which assures its value for shipping. Comes in slightly before Latham, and holds up well during a long season, producing tremendous crops. The taste? Sub-acid, delicious; you should try it! Easy to pick from its sturdy, upright canes with only short, stubby pricklers.



The Epoch-Making Latham

Latham THE NEW MOSAIC-FREE HARDY RED RASPBERRY. This type is certified absolutely mosaic-free, and acceptable anywhere. Perfectly hardy, withstanding Manitoba winters without protection. Its production is superlative, outyielding even Cuthbert. The berries are large and round, brilliant red, with profitable shipping firmness. The color is a richly brilliant red, an eye-catcher on market stands, a delightful table feature, and a perfect canned exhibit.



Actual Size—The Newburgh

“EVERBEARING”
RED RASPBERRIES

(Prices on page 94)

Indian Summer (New). Best of the so-called “everbearing” raspberries, first popularized by St. Regis. This variety grows sturdy canes above medium height, which bear abundant crops; first in June about the time of Chief; then again in September, with the bulkier yield in October, clear up to the first frosts. The medium red berries are large, slightly irregular, inclined to crumble; Soft and luscious to the taste. Not sufficiently firm for far shipping, but very good for local market, and for vastly enjoyable home-garden use. (Illustrated on back cover.)

St. Regis (Ranere). Fruit commences to ripen with the earliest and continuing on young canes until October, many quarts often being picked after the first snow falls. Berries bright crimson, large size, rich, sugary, with full raspberry flavor. Flesh firm and meaty, a good shipper. Wonderfully prolific. Canes stocky, of strong growth, with abundance of dark green leathery foliage. Besides being a really fine variety, it has the very valuable quality of producing in autumn, when there are no others.

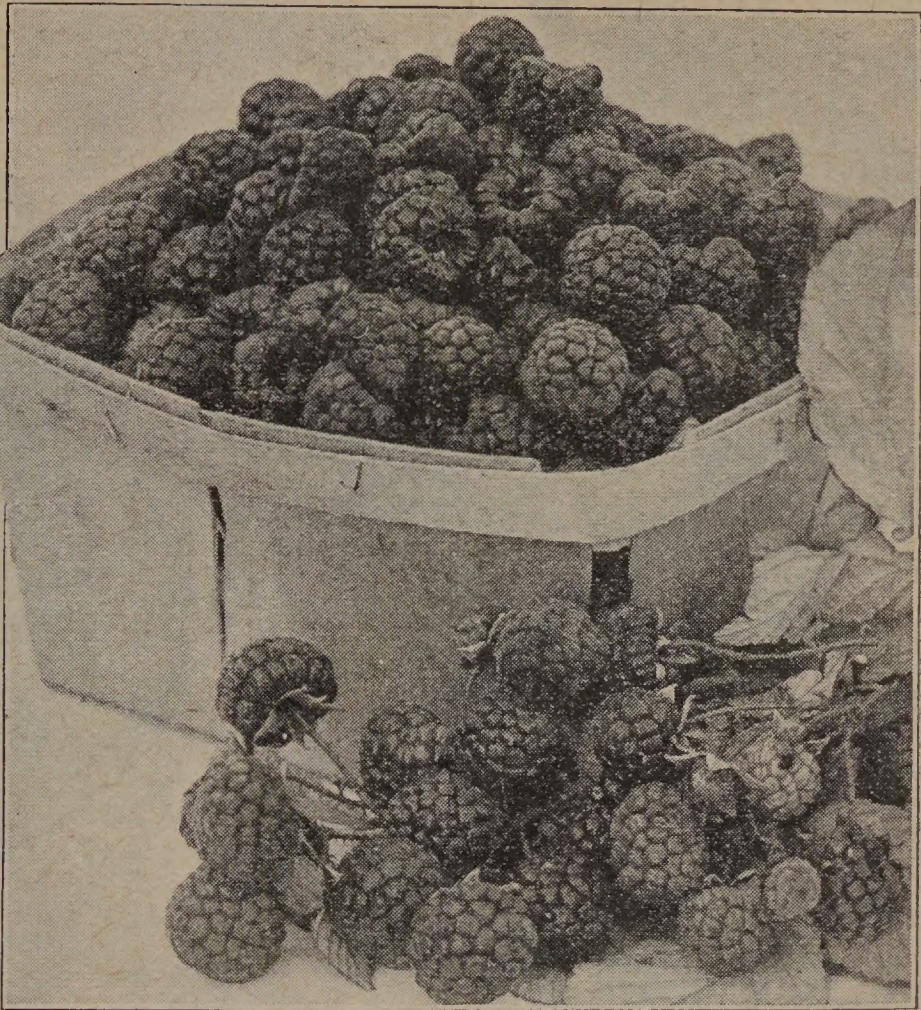
STRAWBERRIES

Strawberries succeed in any soil adapted to farm or garden crops. Soil should be prepared to a good depth, well-drained and enriched with vegetable manure (muck, rotten turf, wood soil, ashes, etc.). For field culture set rows 3 to 3½ feet apart, 15 to 18 inches in each row; for garden, 15 inches apart each way, pathway every third row. For large fruit, keep in hills, pinching runners off as they appear. Ground should be kept clean and well cultivated. In winter cover with leaves, straw or litter. Do not cover until ground is frozen, nor so as to smother plants. Remove cover before growth starts in spring. Mulching will keep fruit clean and soil in good condition. Dip in water as soon as received, and bury roots in moist, shady ground until ready to set out; do not neglect.

Did you ever use a row of Strawberry plants to border your garden walks? Not only beautiful in its continuously perfect verdure, studded with white flowers or crimson fruits, but it is so handy to gather your morning breakfast dish—fresh with dew—without wetting your slippers.



The New
Fairfax
Strawberry



Everbearing Red Raspberry—St. Regis

EVERBEARING STRAWBERRIES

“Everbearing Strawberries” yield fruit continuously from May or June until frost. Caution: Pick off the blooms until July 1st—if you want largest and best fall crop.

Everbearing Prices	By Mail— Postpaid			By Express Collect			
	25	50	100	25	50	100	1000
Scarlet Gem	\$0.85	\$1.30	\$2.15	\$0.65	\$1.00	\$1.75	\$10.00
Mastodon .....	.95	1.50	2.40	.75	1.25	2.00	12.50
Wayzata	1.75	2.75	5.00	1.50	2.50	4.50	

Mastodon For a number of years Mastodon has had a clear field, safely outranking all predecessors. Despite certain keen recent competition by newer introductions, Mastodon remains a top notch everbearer. It is of immense size, an almost incredible cropper, of choice quality, and the strongest grower ever developed. More productive than most June bearers, its fall pickings are sufficient from but a few plants, and very profitable.

Scarlet Gem The newest important introduction in the “Everbearing” group, and by all reports creates a greater usefulness and value to that class. It is credited with bearing within 60 days after the normal spring planting; carrying on during the summer, with an immense fall crop ending only with the first frosts. Sparkling, glossy red fruits uniformly large, that carry and keep better than others, due to the tough skin and unusual firmness of its flesh. The flavor is fine. Three crops, big ones—spring, summer, and fall. What more can you ask of a strawberry? (See illustration in color on back cover.)

Wayzata (New). Here is another introduction which is hailed by growers in the great Michigan Strawberry Belt as the best “everbearer” of them all. Would you, too, care to try it out and judge its merits? The berries are large, uniform, very dark red, and very sweet.

2 Outstanding STRAWBERRY VARIETIES See page 96 for prices

Dorsett This new eastern introduction has taken the Atlantic berry growers by storm, and is becoming one of the most popular and respected in the middle west. Its fruiting season is early and profitably continuous, yielding bumper crops which bring instant market acceptance at the very top price. The berry is uniformly large, full, elongated with rounded extremity. The color is an attractive pinkish red, unusual flavor, mild sub-acid. It does exceptionally well on heavy soil, and surpasses other varieties for sweetness during protracted rainy season.

Fairfax Another new kind which runs with Dorsett; in many ways similar, but with sufficient differences to warrant growing both. It also produces a heavy crop of berries better than average size, deeply conical in shape, a more brilliant red than Dorsett and of firmer texture; season about the same. The flavor is sweetly luscious and creates demand for more.



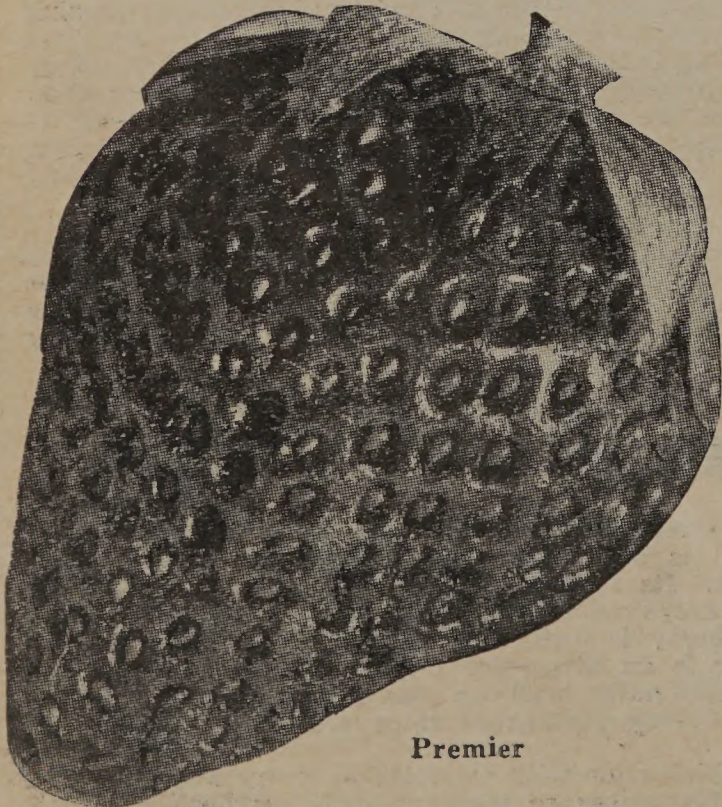
Blakemore



The New
Catskill



Sample



Premier

STANDARD STRAWBERRIES Continued from page 95

PRICE LIST OF STANDARD VARIETIES:	By Mail—Ppd.			By Express—Collect			
	25	50	100	25	50	100	1000
Blakemore	\$0.60	\$1.00	\$1.40	\$0.40	\$0.70	\$1.00	\$6.00
Gibson							
Sample							
Senator Dunlap							
Wm. Belt							
Catskill60	1.00	1.40	.40	.70	1.00	6.50
Clermont							
Dorsett—Page 95							
Fairfax—Page 95							
Premier							
Red Gold							

Blakemore (E). Originated and recommended by the U. S. Department of Agriculture. Berries bluntly conic, good market size; rarely white-tipped, with solid center, small seeds, firm flesh, tough skin. Excellent flavor, aromatic, acid, with high pectin or gelatinizing content. The color is glossy light red developing quite evenly on both upper and lower sides, only slightly changed by holding or canning. Prefers the heavier types of soil.

Catskill (M). A thoroughly tested New York variety, adopted in 17 middle and northern States. It is so productive it needs thinning. Very large fruits; light red from first to last. The quality is excellent.

Clermont (E). A new cross between Marshall and Premier; exceptionally well adapted to heavy soil. The very large fruits, regular, glossy, attractive red—hold up well throughout the season, do not bruise easily, and ship well. Quality is excellent. Not recommended for south of Pennsylvania.

Gibson (M). Strong grower with long roots and abundant foliage, exceedingly productive. Berries extra large, choice flavored, dark glossy red clear through; follows Premier.

Premier Of smooth, evenly conical form, and large; its color the commanding glossy red which sells on sight, aided artistically by the calyx or cap which remains green after picking. Quality unsurpassed; production greatest of all earlies; plant vigorous, healthy, strongly reproductive.

Red Gold (E). This new, remarkable variety originated in the West, but has taken hold and become popular in many other widely separated berry-growing districts. Ripens earlier than Premier, the berries extra large, brilliant red, with tender flesh and sweet, melting flavor. A fancy table berry. Very deep rooting and extra strong, bearing its bumper crops well up out of the dirt, resisting both drought and frost.

Sample (Imperfect) (L). A standard late sort for both home and market. Large dark-colored berries in profusion, of uniform size. Should be planted with a "perfect" companion; never alone.

Senator Dunlap (E). Rampant runner, should be restricted in production of plants. Fruit good size, beautiful bright red, glossy; firm, splendid keeper.

Wm. Belt (M). Vigorous, thrifty, heavy plant, producing large crops under good common matted row culture. Berries extra large, conical, quite uniform in shape, brilliant glossy red.

Thank you for studying our catalog. We shall cordially appreciate your orders.



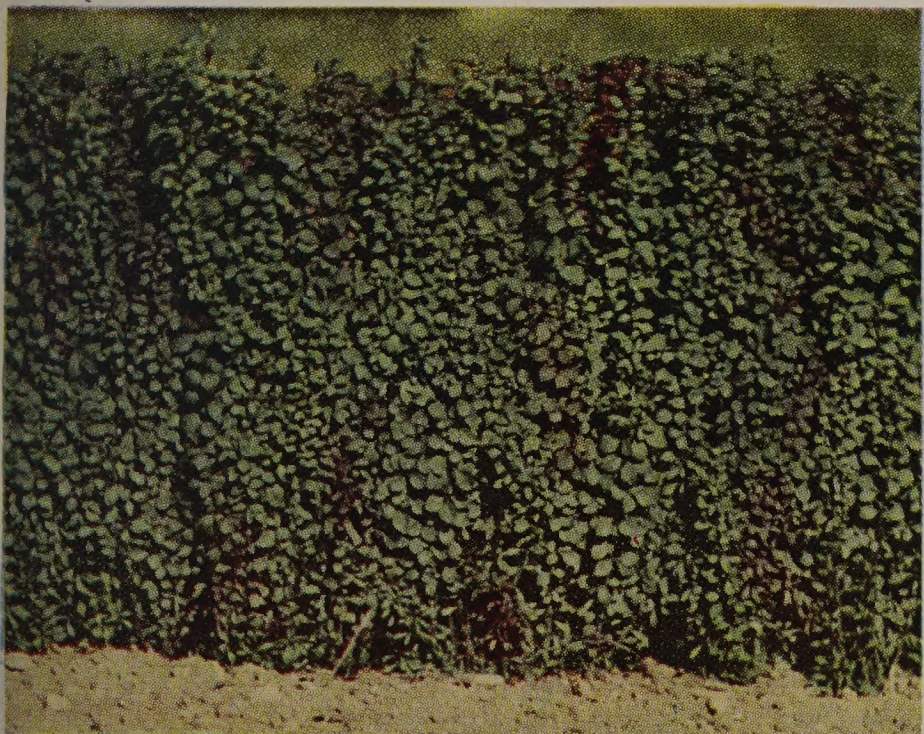
Snowberry
(*Symphoricarpos racemosus*)
See page 69



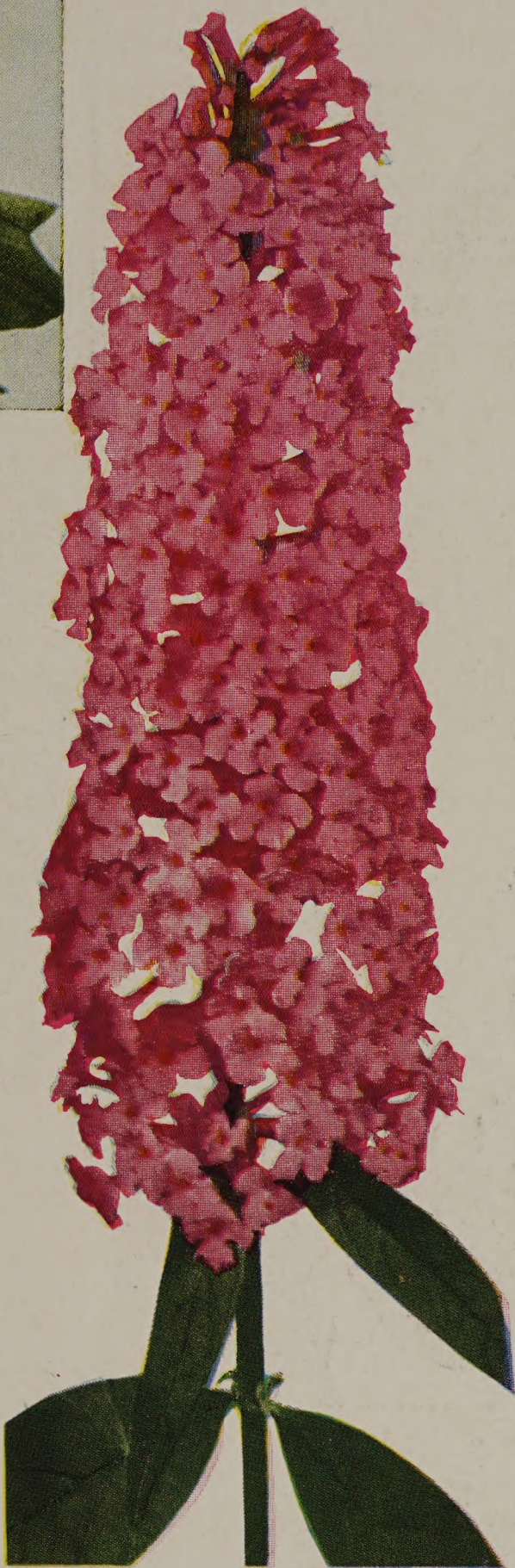
American Cranberry
(*Viburnum americanum*)
See page 71



New "Gold Flame" Honeysuckle
Read description on page 67



Column Barberry ("Truehedge"), Page 65
The Sensational New Ready-Made Hedge



New Pink Buddleia, "Charming." Page 65

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Edith Nellie Perkins
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Dame Edith Helen
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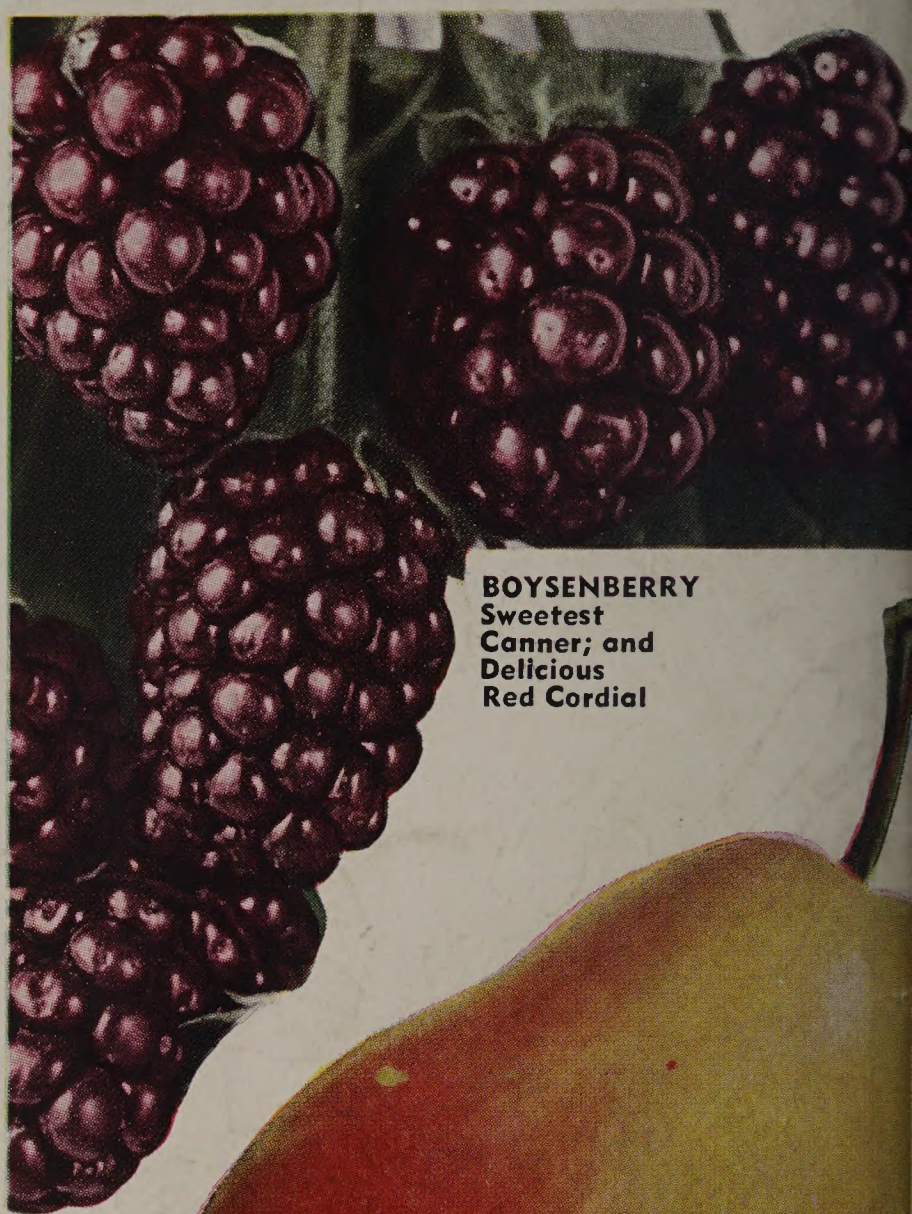
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